Manual Part # 99905269

Dominator I Parts & Specifications

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Revisions

DATE	LOCATION	DESCRIPTION
20110831	51719752, 51720021	ECN 11565 - 51719752, 51720021 hardware kits. Added note about simultaneous operation and F450/550.
20110906	99905253	ECN 11555- Added spring on doors.
	51719752, 51720021	ECN 11565- Updated tank hardware.
20111005		ECN 11555 - Miscellaneous updates after pre-production builds.
20111201		ECN 11628 - Update stabiilzer wording, decals.
		ECN 11607 - Updated shelf divider kits by body side.
20111215	Installation	ECN 11627 - Added new compressor models.
20120117		ECN 11666 – Updated CAS60R installation.
20120119	52723757	ECN 11650 - Updated boom support.
	31724012, 31724013	ECN 11656 - Added washer to stabilizer kit.
	77441437	ECN 11669 - Changed connection on CJ700.
	Decal graphics	ECN 11628-1- Updated decal graphics
	99905305	ECN 11638 - Added wire routing notes.
20120302	52723757, 99905266	ECN 11689 - Hardware changes
	99905363	ECN 11674 - Modified mounting pattern
	Electrical	Added installation and troubleshooting information.
20120420	51718751	ECN 11581 - Updated cylinder drawing.
	51713779	ECN 11632, - Added salvage pump mounting drawing.
20120523	77441438	ECN 11746 - Added compressor speed control.
	99905067	ECN 11571- Updated installation drawing.
	51713779	ECN 11744 - Salvage pump plate removed.
	99905160	ECN 11745- Changed left sidepack shelf ends.

CHAPTER 1

Equipment Safety

Personnel Requirements

Certain inherent risks are associated with heavy equipment, including IMT Crane Body Mechanics Trucks, due to the nature of their use. Personnel working in the area of these vehicles are subject to certain hazards that cannot be guarded against by mechanical means but only by the exercise of intelligence, care, and common sense. It is therefore essential for the owner of this equipment to have personnel involved in the use and operation of these vehicles who are competent, careful, physically and mentally qualified, and trained in the safe operation of this equipment.

Training

Prior to using any of the equipment installed on or incorporated in the IMT Crane Body Mechanics Truck, you must:

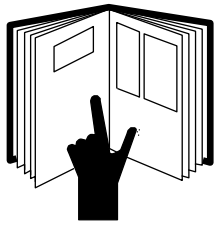
- Have already been fully trained to operate the vehicle and equipment.
- Have demonstrated the effectiveness of your training and the extent of your knowledge.

BEFORE operating this vehicle and any associated equipment, you, the operator or maintainer, must read, understand, and follow the instructions found in the operator and maintenance manuals from the manufacturers of major components used on this vehicle or equipment.

Proper tools and service equipment must be used, taking appropriate precautions as required by accepted safety practices, to prevent personal injury and/or equipment damage.

If you are uncertain about the safe operation of any aspect of this vehicle or equipment, stop immediately and seek further training. You are the only person who knows what you don't know. You must speak up about the things you don't know, so you can learn about them before someone is injured or killed because of your lack of knowledge. You are responsible for learning how to operate this vehicle and equipment under all conditions without having to pause to read this manual.

⚠ WARNING **Training & Operating Instructions**



- Only trained personnel should operate this equipment.
- Do not operate or service until you have read and understood the operation and service manual supplied with this equipment.
- Manuals can be obtained from manufacturer’s website or by contacting customer service.
- Operating this equipment without knowledge or training may lead to injury or death for you or others.

Hazards When Moving About the Vehicle

Only climb, step, or walk on this vehicle where there are slip resistant surfaces and the opportunity to maintain three points of contact at all times. Some surfaces that should not be stepped on are marked with a *No Step* warning. All smooth surfaces should be avoided even if not specifically labeled with a No Step sign. If maintenance or service require access to a point on the vehicle not provided with slip resistant surfaces and hand holds, then use OSHA approved ladders, stepstools, or other safe means for access.

DO NOT ride on the outside of the vehicle when it is moving.

WARNING
No Step
Railings NOT provided.
Surface may be slippery - NOT intended for stepping, standing or walking.
Falls may injure or kill.
70399191

WARNING
FALL HAZARDS
When climbing on or off vehicle, ALWAYS:
• Face vehicle.
• Use steps and handholds.
• Maintain three points of contact with vehicle (two feet and one hand or two hands and one foot.)
• Keep steps, handholds, and walkways clean.
• Use extra caution when wet, icy or muddy.
• Replace surfaces when worn.
Slips and falls can injure or kill.
• Never ride on vehicle when it is in motion.
• Fall from moving vehicle may injure or kill.
70399192

Crane Safety

Your IMT Mechanics Truck may include a crane. Follow all operating procedures posted on the crane and body and included in the operator's manual for safe crane operation, including:

- Powerline safety
- Proper job-site set-up
- Using stabilizers

If your equipment includes a crane, refer to your crane operation and safety manual prior to operating your crane.

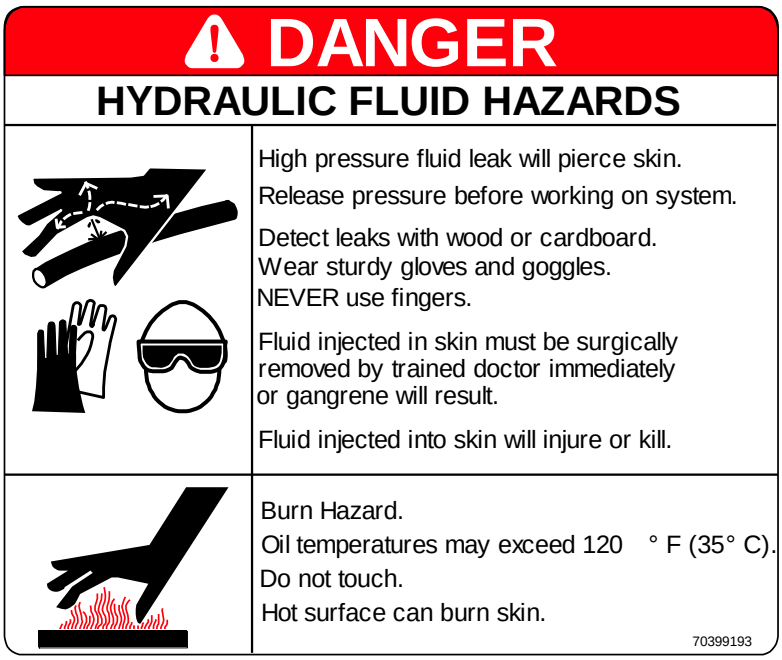
Hydraulic Hazards

Certain equipment on this vehicle, including cranes and compressors, may be powered by high pressure hydraulic fluid. Most heavy equipment operates on hydraulic power and it is common throughout industry. High pressure hydraulic fluid leaks are dangerous. If you see a hydraulic leak, shut down the equipment and call in a service technician trained in safe methods of trouble-shooting and servicing hydraulic power equipment.

Never search for leaks with your hands or other body parts. High pressure hydraulic fluid at pressures as low as 100 psi can penetrate skin. Use a piece of wood or cardboard to detect leaks, keeping hands and other body parts well away from the potential source of the leak.

If you suspect that you have been exposed to a high pressure hydraulic skin penetration, seek medical help immediately. The high pressure injection of a fluid such as hydraulic oil, grease and paint constitutes a medical and surgical emergency, requiring access to appropriate specialist surgical expertise as soon as possible. Often the injury appears minor. Don't be fooled. Fluids injected under the skin are highly toxic. The injury will lead to gangrene, amputation, and death if not treated promptly.

Most doctors are not trained in treating hydraulic related injuries. Make sure they are aware of the potential problems and get the recommend treatment needed to treat the injury.


DANGER
HYDRAULIC FLUID HAZARDS
High pressure fluid leak will pierce skin.
Release pressure before working on system.
Detect leaks with wood or cardboard.
Wear sturdy gloves and goggles.
NEVER use fingers.
Fluid injected in skin must be surgically removed by trained doctor immediately or gangrene will result.
Fluid injected into skin will injure or kill.
Burn Hazard.
Oil temperatures may exceed 120 ° F (35° C).
Do not touch.
Hot surface can burn skin.
70399193

Equipment Daily Safety Inspections

Use the following list as a guide when you are inspecting your unit at start-up and during operation. You may be required to log your inspection results using the Crane Log (IMT Manual No. 99900686) or the inspection checklist in the crane manual:

1 Vehicle - Check oil level, battery, lights, brakes, and tires for inflation, pressure, cuts, and loose or missing wheel lugs.

2 Safety Accessories - Check for proper function, oil levels, leaks and malfunctions.

3 Hydraulic Oil Reservoir - Check for proper oil level. Check for leaks and blockages.

4 Weldments - Check visually for damage, especially cracks or breaks in welds.

5 Fasteners - Check pins, sheaves, nuts and bolts for breakage, excessive wear and tightness.

6 Covers & Guards - Check for missing or improperly maintained covers and guards.

7 Operation Placards and Safety Decals - Check for illegible or missing decals and placards. Refer to the Decal section of this manual for more information on the required decals.

8 Work Area - Check for hazards including powerlines, obstructions, etc.

Replace or repair any items as needed prior to equipment operation.

In addition, inspect your crane per the daily safety inspection instructions in the crane manual.

CHAPTER 2

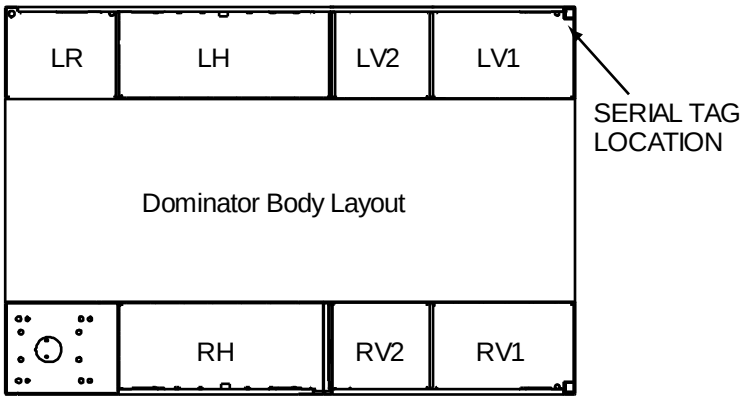
Parts Ordering Information

GENERAL

This remainder of this manual contains the exploded parts drawings and accompanying parts lists for the assemblies used on this body. For equipment such as cranes, compressors, and winches, refer to the appropriate service manual.

BODY IDENTIFICATION

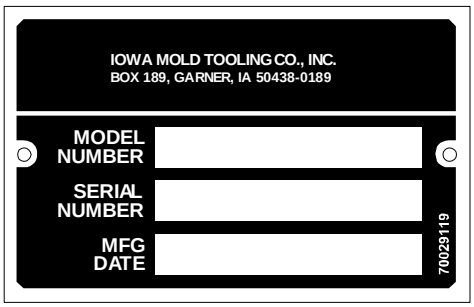
Every IMT body has an identification placard (see figure). This placard is attached in the upper left hand corner of the left vertical 1 compartment.



LV2, RV2 on 11' Dominator I only.

When ordering parts, communicating warranty information, or referring to the unit in correspondence, always include the serial number and model numbers. Address all inquiries to your authorized IMT distributor or to:

Iowa Mold Tooling Co., Inc.
Box 189, Garner, IA 50438-0189
Telephone: 641-923-3711
Technical Support Fax: 641-923-2424



PARTS IDENTIFICATION

To insure proper replacement parts are received, specify the complete number/letter sequence for any part requested. The parts sections of this manual can assist you in determining the correct part number.

ORDERING REPAIR PARTS

When ordering replacement parts:

1 Give the model number of the unit.

2 Give the serial number of the unit.

3 Specify the complete part number. When ordering cylinder parts, or one of the main weldments, always give the stamped part number.

4 Give a complete description of the part.

5 Specify the quantity required.

6 Fill in your serial number to assist in future replacement parts ordering.

DOMINATOR SERIAL NUMBER:

Planned Maintenance Kits

Maintaining your equipment properly will extend its function and performance over the life of the machine. IMT has developed planned maintenance kits for many of its products which include filters, air and hydraulic filter elements, oil, grease, and other maintenance items. To order an IMT planned maintenance kit, please contact IMT customer service at 800-554-4421. For additional information on IMT planned maintenance kits for your equipment, please contact IMT Technical Support at 800-554-4421 or (641) 923-4633.

Frequency	Task	Dominator Body	CAS435HA Compressor	CAS2545 Compressor	CAS3560 Compressor	CAS40P Compressor	CAS60R Compr.	CAS45R Compr.
Monthly	Drain moisture from compressor air tank.							
Every 6 months	Change compressor oil filter element.			70048233	73396426		70048249	70049252
	Change compressor oil.		51085090	89086201	89086201	89086220	89086222	89086222
	Change compressor air filter.		70048217	70048217	70048217	71414999	70048250	70048253
	Change compressor separator element.						70048248	70048251
	Change moisture separator filter element.	70048209						
	Change hydraulic oil.							
	Change filter element and breather cap element on Dominator hydraulic reservoir.	73052153 filter element, 70048245 breather element						
Once per year (Every 12 months)	Change compressor coalescer filter.			70048234	73396427			
	Check belts on compressor. Change if needed.					70580210 (3)	70580211	70580212

Planned Maintenance Kit part numbers:

- DOMINATOR - CRANE - CAS435HA COMPRESSOR - 91724292 (12-month kit); 91724450 (36-month kit); 91724453 (60-month kit)
- DOMINATOR - CRANE - CAS3560 COMPRESSOR - 91724293 (12-month kit); 91724451 (36-month kit); 91724454 (60-month kit)
- DOMINATOR - CRANE- CAS2545 COMPRESSOR - 91724294 (12-month kit); 91724452 (36-month kit)
- DOMINATOR - CRANE - CAS40P COMPRESSOR - 91724477 (36-month kit); 91724480 (60-month kit)
- DOMINATOR - CRANE - CAS60R COMPRESSOR - 91724478 (36-month kit); 91724481 (60-month kit)
- DOMINATOR - CRANE - CAS45R COMPRESSOR - 91724479 (36-month kit)

Maintenance Kits include compressor coalescer filters, oil filters, hydraulic reservoir filters, air filters, compressor oil, moisture separator filters, and Moluballoy grease for greasing the gear bearing teeth. Crane grease and hydraulic oil not included in 1-year kits. See the crane parts manual for specific greasing locations.

CHAPTER 3

Specifications

In This Chapter

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Equipment Specifications

SPECIFICATIONS	9-foot	11-foot
Body Rating	52,000 ft-lb (7.3 tm)	52,000 ft-lb (7.3 tm)
Body Weight	2,728-2,805 lb (1237 - 1273 kg) (Based on configuration)	3,103 lb to 3,495 lb (1408 - 1585 kg) (Based on configuration)
Body Width (including rain eaves)	96 in (244 cm)	96 in (244 cm)
Sidepack Height	44 in (112 cm)	44 in (112 cm)
Sidepack Depth	22 in (56 cm)	22 in (56 cm)
Cargo Deck Width	50 in (127 cm)	50 in (127 cm)
Workbench Depth	21 in (53 cm)	21 in (53 cm)
Tailgate Height	10 in (25.4 cm)	10 in (25.4 cm)
Storage Capacity (including workbench)	97.2 ft^3 to 104.2 ft^3 (2.8 - 3.0 m^3) (Based on configuration)	120.5 ft^3 to 166.1 ft^3 (3.4 - 4.7 m^3) (Based on configuration)
Angle of Departure	15°	15°

Door Opening Dimensions - 44" High Sidepacks		
LH 1st Vertical	29.5” W x 38.5” H (74.9 x 97.8 cm)	29.5” W x 38.5” H (74.9 x 97.8 cm)
LH 2nd Vertical	N/A	16.5” W x 38.5” H (41.9 x 97.8 cm)
LH Horizontal	43.0" W x 21.0" H (109.2 x 53.3 cm)	44.5" W x 21.0" H (113.0 x 53.3 cm)
LH Rear	18.0" W x 38.5" H (45.7 x 97.8 cm)	18.0” W x 38.5” H (45.7 x 97.8 cm)
RH 1st Vertical	29.5” W x 38.5” H (74.9 x 97.8 cm)	29.5” W x 38.5” H (74.9 x 97.8 cm)
RH 2nd Vertical	N/A	16.5” W x 38.5” H (41.9 x 97.8 cm)
RH Horizontal	43.0" W x 21.0" H (109.2 x 53.3 cm)	44.5” W x 21.0” H (113 x 53.3 cm)
RH Rear	18.0" W x 38.5" H (45.7 x 97.8 cm)	18.0" W x 38.5" H (45.7 x 97.8 cm)

Standard Configurations

9-foot body	44" (111.8 cm) standard left-hand and right-hand sidepacks
	Right front raised* to 60" (152.4 cm)
11-foot body	44" (111.8 cm) standard left-hand and right-hand sidepacks
	Right front raised* to 60" (152.4 cm)
	Left front raised* to 60" (152.4 cm)
	Right front and left front raised* to 60" (152.4 cm)
	Right front raised* to 60" (152.4 cm); All left side compartments raised to 60" (152.4 cm).
	All raised to 60" (152.4 cm)
* Includes 1st and 2nd vertical compartments.	
NOTE: Crane box is 52" high for all configurations.	

Body Materials

The sidepacks are constructed of 10-gauge and 12-gauge galvannealed steel. The floor structure is constructed of 10-gauge galvannealed and 1/8" deckplate steel. The workbench is constructed of galvannealed and cold rolled steel.

Body Weights

9 ft RH & LH standard	2,728 lb (1237 kg)
9 ft RF raised	2,806 lb (1273 kg)
11 ft RH & LH standard	3,103 lb (1407 kg)
11 ft RF raised	3,212 lb (1457 kg)
11 ft LF raised	3,212 lb (1457 kg)
11 ft RF and LF raised	3,317 lb (1505 kg)
11 ft all raised	3,495 lb (1585 kg)

Body Sub-Structure

Patented inverted A-frame design constructed of 10-gauge galvannealed material with integral crane box, front stabilizer receptacles and rear stabilizer housing.

Electrical System

The electrical system consists of a central power distribution point in the crane box using automotive-style harnesses. The circuits use white wire with the circuit function printed every 3". The harness is protected by an overbraid that is heat- and cut-resistant.

Doors

The doors are constructed of 14-gauge galvannealed steel with internal formed eaves and hemmed edges. The latches are a 3-point, locking rotary T-handle style. They are constructed of cast steel with a powder-coat finish. The hinges are stainless steel with composite washers.

Storage Capacity

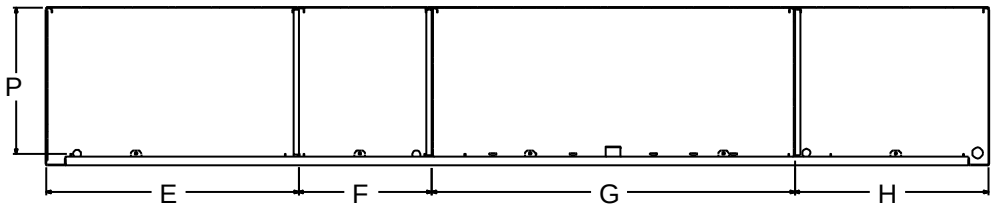
9 ft RH & LH standard	97.2 ft^3 (2.8 m^3)
9 ft RF raised	104.2 ft^3 (3.0 m^3)
11ft RH & LH standard	120.5 ft^3 (3.4 m^3)
11 ft RF raised	131.3 ft^3 (3.7 m^3)
11 ft LF raised	131.3 ft^3 (3.7 m^3)
11 ft RF raised and LF raised	142.2 ft^3 (4.0 m^3)
11 ft all raised	166.1 ft^3 (4.7 m^3)

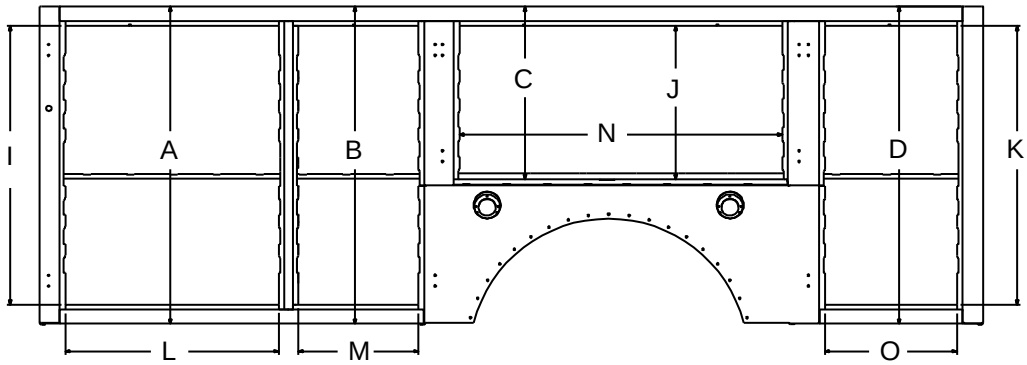
Options

1. Drawers and drawer sets	7. Individual incandescent compartment lights
2. Standard adjustable shelves	8. Work lights
3. 3" (7.6 cm) high divided adjustable shelves	9. High-intensity light package
4. Stabilizers - manual and hydraulic	10. Compartment pressurization system
5. Workbench vises and vise plates	11. Air systems
6. Energy-absorbing boom support	12. Telescopic cranes up to 52,000 ft-lb (7.3 tm)

Dominator I Sidepack Dimensions

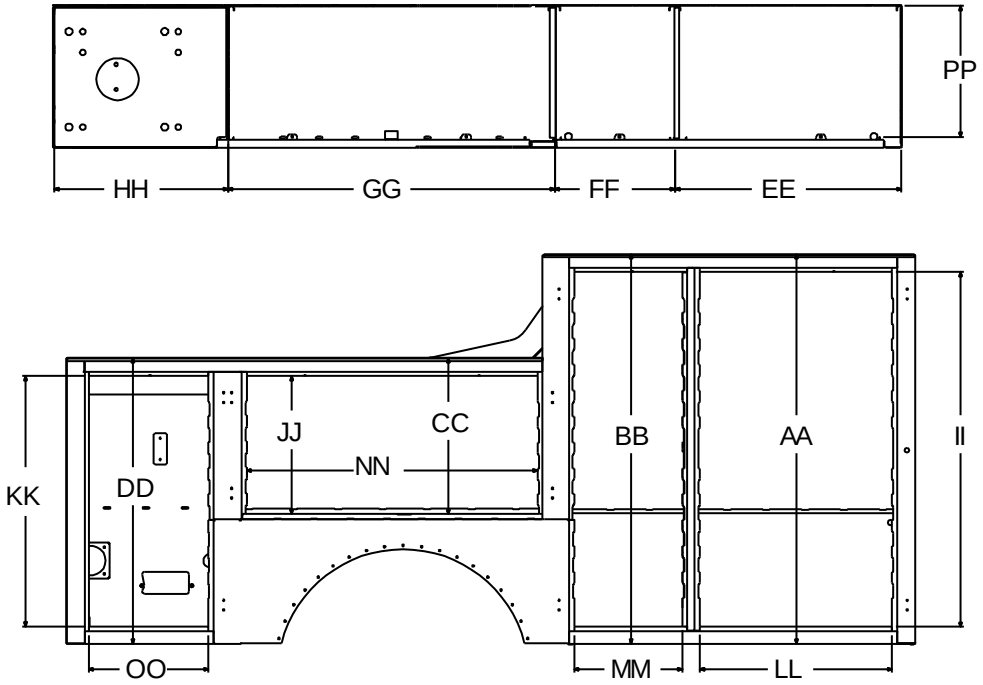
Left Hand Sidepack





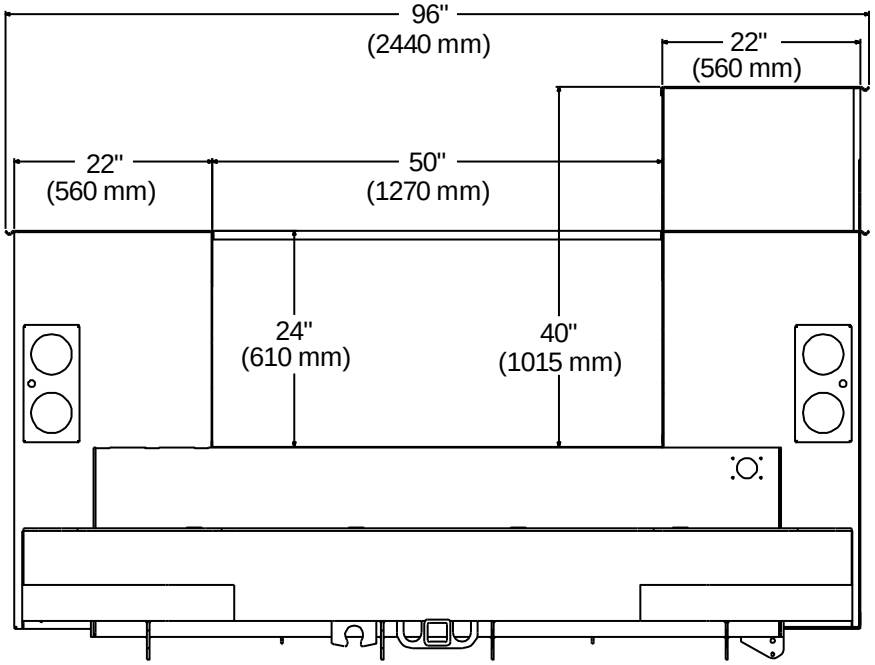
	Compartment Dimensions								Door Opening Dimensions							Usable Depth
Base Body	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
9ft Standard	44" (111.8)		23.88" (60.7)	44" (111.8)	34" (86.4)		47.75" (121.3)	26.75" (67.9)	38.75" (94.4)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)		42.88" (108.9)	18.38" (46.7)	20.25" (51.4)
9ft RF Raised	44" (111.8)		23.88" (60.7)	44" (111.8)	34" (86.4)		47.75" (121.3)	26.75" (67.9)	38.75" (94.4)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)		42.88" (108.9)	18.38" (46.7)	20.25" (51.4)
11ft Standard	44" (111.8)	44" (111.8)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	38.75" (94.4)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft RF Raised	44" (111.8)	44" (111.8)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	38.75" (94.4)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft LF Raised	60" (152.4)	60" (152.4)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	54.75" (139.1)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft RF & LF Raised	60" (152.4)	60" (152.4)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	54.75" (139.1)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft All Raised	60" (152.4)	60" (152.4)	31.88" (81)	60" (152.4)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	54.75" (139.1)	29.50"" (74.9)	54.75" (139.1)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)

Right Hand Sidepack



	Compartment Dimensions								Door Opening Dimensions							Usable Depth
Base Body	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP
9ft Standard	44" (111.8)		23.88" (60.7)	44" (111.8)	34" (86.4)		47.75" (121.3)	26.75" (67.9)	38.75" (94.4)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)		42.88" (108.9)	18.38" (46.7)	20.25" (51.4)
9ft RF Raised	60" (152.4)		23.88" (60.7)	44" (111.8)	34" (86.4)		47.75" (121.3)	26.75" (67.9)	54.75" (139.1)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)		42.88" (108.9)	18.38" (46.7)	20.25" (51.4)
11ft Standard	44" (111.8)	44" (111.8)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	38.75" (94.4)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft RF Raised	60" (152.4)	60" (152.4)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	54.75" (139.1)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft LF Raised	44" (111.8)	44" (111.8)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	38.75" (94.4)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft RF & LF Raised	60" (152.4)	60" (152.4)	23.88" (60.7)	44" (111.8)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	54.75" (139.1)	21.5" (54.6)	38.75" (94.4)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)
11ft All Raised	60" (152.4)	60" (152.4)	31.88" (81)	52" (132.1)	34.93" (88.7)	18.38" (46.8)	50.38" (127.9)	26.75" (67.9)	54.75" (139.1)	29.50"' (74.9)	46.75" (118.7)	29.75" (75.6)	16.75" (42.5)	44.88" (114)	18.38" (46.7)	20.25" (51.4)

Rear View



Load Bed Height
24" with standard height compartments
40" with raised compartments

Dominator I Chassis Specifications

CHASSIS SPECIFICATIONS	
Minimum Cab-to-Axle Dimensions	
Dominator I & II without Welder Deck	Single Axle (CA)
9' Body	60" (152.4 cm)
11' Body	84" (213.4 cm)
Dominator I & II with Welder Deck	Single Axle (CA) (based on width of welder deck selected)
9' Body	84" - 96" (213.4 - 243.8 cm)
11' Body	108" - 120" (274.3 - 304.8 cm)

Simultaneous Operation on Ford F450/550

NOTE:

On an Ford F450 or F550 chassis, when the crane is under operating near maximum capacity, there may be insufficient transmission output to operate the crane and compressor simultaneously. The crane and compressor must be operated individually until the crane load moment is reduced. If both systems are operated simultaneously with the crane near maximum capacity, the compressor may unexpectedly slow down or cease operation.

CHAPTER 4

Assemblies & Installation

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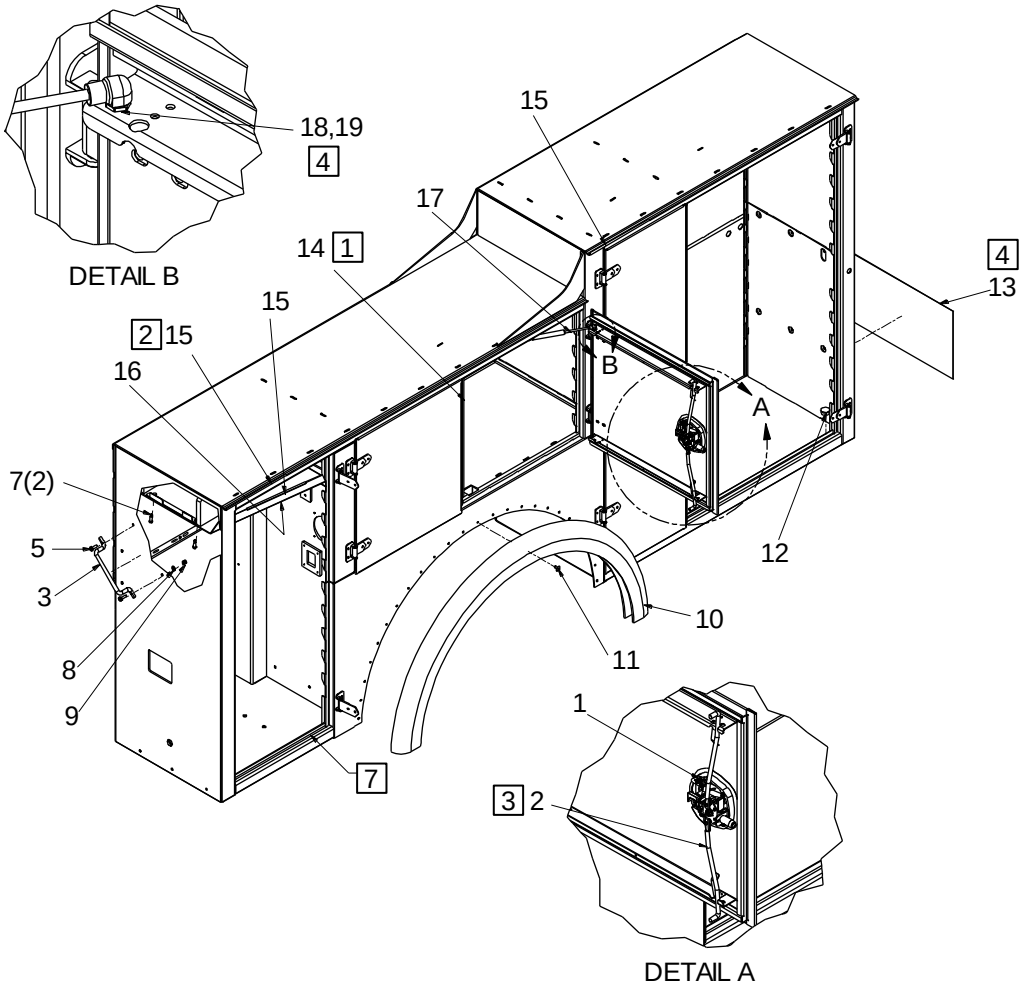
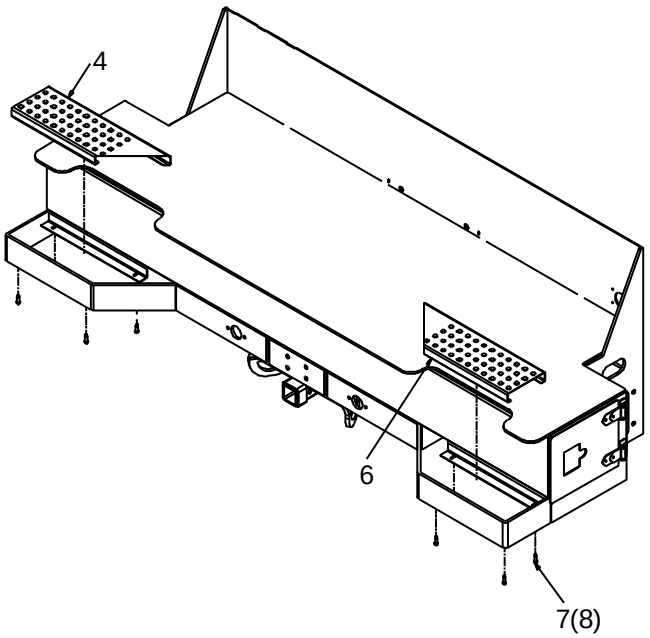
Body Assembly, Dominator I (99905253)





NOTES (SEE REFERENCE NUMBER IN BOX):

1 APPLIED TO NON-LATCHING DOOR OF THE PAIR OF DOORS.

2 CRANE SIDE ONLY.

3 ROD ATTACHMENT HARDWARE INCLUDED WITH LATCH.

4 APPLY TREAD DECAL FLUSH TO BOTTOM & OUTSIDE EDGE OF SIDEPACK.

5 ASSEMBLY TYPICAL, BOTH ENDS OF DOOR SHOCK.

6 RIGHT SIDE SIDEPACK SHOWN. LEFT SIDE SIMILAR.

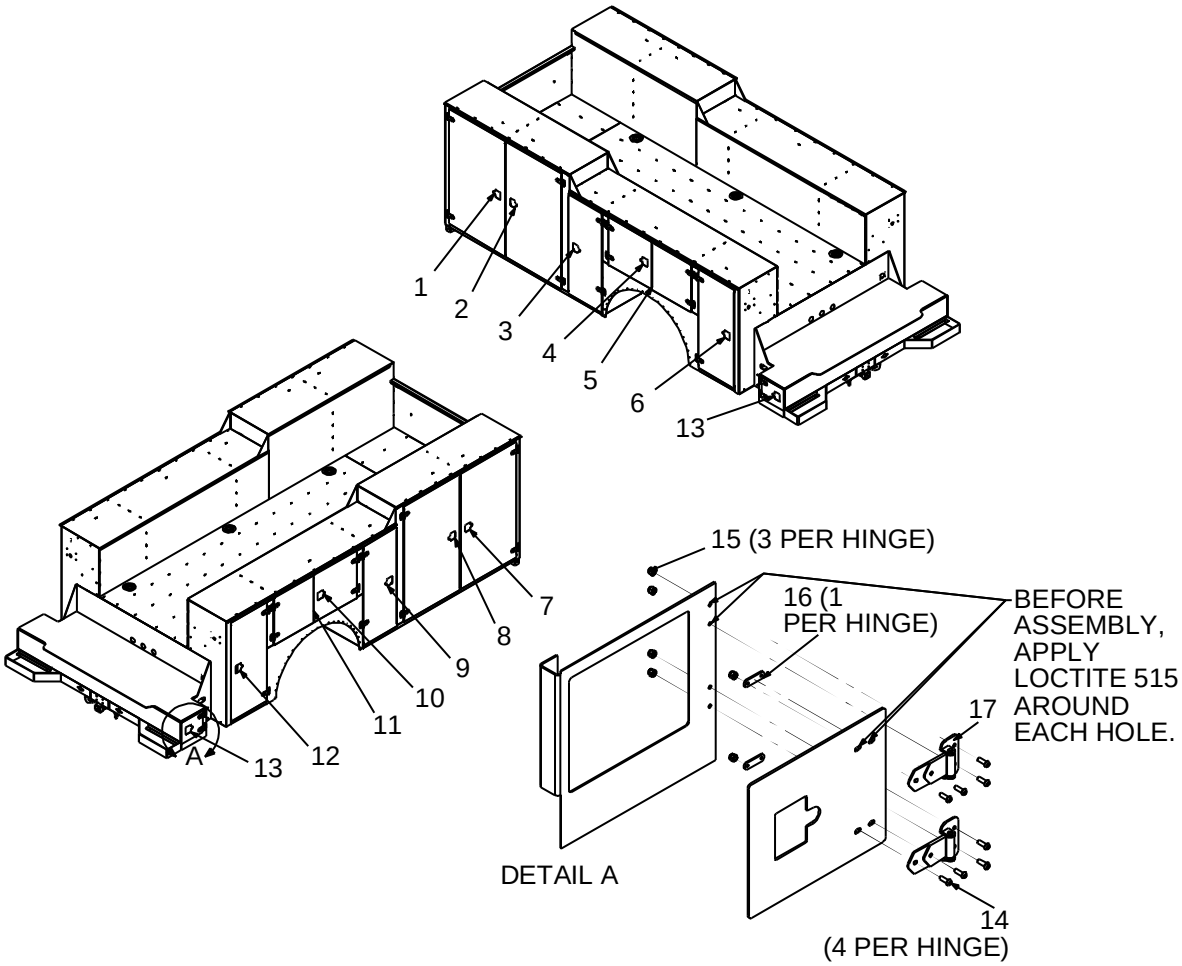
7 DOOR JAMB WEATHERSTRIP PART NUMBERS LISTED IN CHART BELOW:

DOOR JAMB WEATHERSTRIP PART NUMBERS	
89397086	DOMINATOR I 9' BODY
89397088	DOMINATOR I 11' BODY

99905253 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	72661599	LATCH ASSEMBLY, 3 PT		AS REQ'D
	60130297	ROD-DOOR	27.12 LG W-.75in OFFSET (1-4)	AS REQ'D
	60130298	ROD-DOOR	23.12 LG W-.75in OFFSET (1)	AS REQ'D
	60130299	ROD-DOOR	19.12 LG W-.75in OFFSET (1)	AS REQ'D
	60129729	ROD-DOOR	18.38 LG W-.75in OFFSET (1)	AS REQ'D
3.	72661467	HANDLE-BOLD-ON BLACK		2
4.	60126311	STEP GRIP STRUT, LH		1
5.	72601590	CAP SCREW	.31-18 X 1.00 TRH PHH	4
6.	60126312	STEP GRIP STRUT, RH		1
7.	72060833	SCREW-THREAD CUT	.31-18 X 0.75 HWH-1	10
8.	72063152	WASHER-FLAT	.31 R WRT 304SS	4
9.	72062167	NUT	SS .31-18 HEX NYLOC	4
10.	60396773	RUBBER FENDER	DOM I / DSC	2

99905253 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
11.	72661384	RIVET-POP	ALUMINUM .250 X .50 GRIP LG HD	AS REQ'D
12.	70034366	PLUG-PLASTIC BUTTON		AS REQ'D
13.	60350056	TREAD	12" X 21"	2
14.	89399101	WEATHERSTRIP	.75 X .71	AS REQ'D
15.	89396626	PLASTIC EDGING, BLACK		AS REQ'D
16.	60116698	DRIP TRAY-CRANE COMPARTMENT	DOM I, II, DSC	1
17.	73050188	SPRING-PNEUMATIC	3" STROKE	AS REQ'D
18.	70143791	BALL STUD		AS REQ'D
19.	72062109	NUT	.31-18 HEX NYLOCK	AS REQ'D
REV C 20110902				

Door Assembly (Dominator I) (99905142)



			SIDEPACK HEIGHT	
ITEM	**LOCATION**	**BODY LENGTH**	**44" DOM I**	**60" DOM I**
1.	LEFT VERT 1	ALL	71414302	71414305
2.	LEFT VERT 2 (11' ONLY)	11'	71414303	71414309
4.	LEFT HORIZ W/LATCH	9'	71414462	NA
4.	LEFT HORIZ W/LATCH	11'	71414322	71414323
5.	LEFT HORIZ W/O LATCH	9'	71414463	NA
5.	LEFT HORIZ W/O LATCH	11'	71414341	71414342
6.	LEFT REAR	ALL	71414304	71414311
7.	RIGHT VERT 1	ALL	71414302	71414305
8.	RIGHT VERT 2	11'	71414303	71414309
10.	RIGHT HORIZ W/LATCH (9' ONLY)	9'	71414462	NA
10.	RIGHT HORIZ W/LATCH	11'	71414322	71414323

			SIDEPACK HEIGHT	
ITEM	LOCATION	BODY LENGTH	44" DOM I	60" DOM I
11.	RIGHT HORIZ W/O LATCH (9' ONLY)	9'	71414463	NA
11.	RIGHT HORIZ W/O LATCH	11'	71414341	71414342
12.	RIGHT REAR	ALL	71414304	71414307
13.	WORKBENCH	ALL	60129178	60129178
14.	72601652 - SCREW-MACH .25-20X .75 TRHTORXSS	ALL	4 PER HINGE	
14.	72601653 - SCREW-MACH .25-20X 1.00 TRHTORXSS	CRANE BOX	2 PER HINGE	
15.	72062194 - NUT-SS .25-20 NYLOC	ALL	3 PER HINGE	
16.	72062264 - WELD NUT .25-20	ALL	1 PER HINGE	
17.	72661383 - HINGE-SS 10GA BUTT	ALL	ALL HINGES	

Key Cylinder Replacement

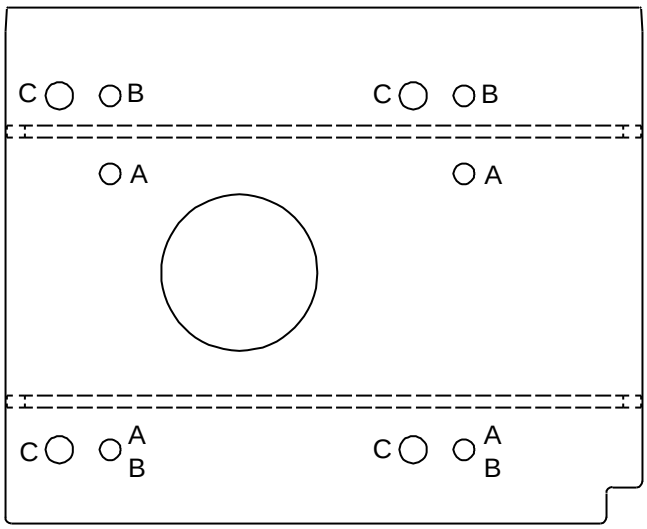
KEY CYLINDER REPLACEMENT: The Dominator service vehicle uses door latch assembly 72661599 on all compartment doors. Upon installation, the latch assemblies have a common key cylinder, part number 72661608. However, the key cylinders can be changed so compartments use different keys. This feature allows different Dominator compartments to have different keys, thus increasing security.

Part # 72661619, Cylinder / Key Tool for Compression Latch, is required to change the key cylinders on the Dominators.

Alternate key cylinders include:

72661609	Cylinder/Key Compression Latch J201
72661610	Cylinder/Key Compression Latch J202
72661611	Cylinder/Key Compression Latch J203
72661612	Cylinder/Key Compression Latch J204
72661613	Cylinder/Key Compression Latch J205
72661614	Cylinder/Key Compression Latch J206
72661615	Cylinder/Key Compression Latch J207
72661616	Cylinder/Key Compression Latch J208
72661617	Cylinder/Key Compression Latch J209
72661618	Cylinder/Key Compression Latch J210

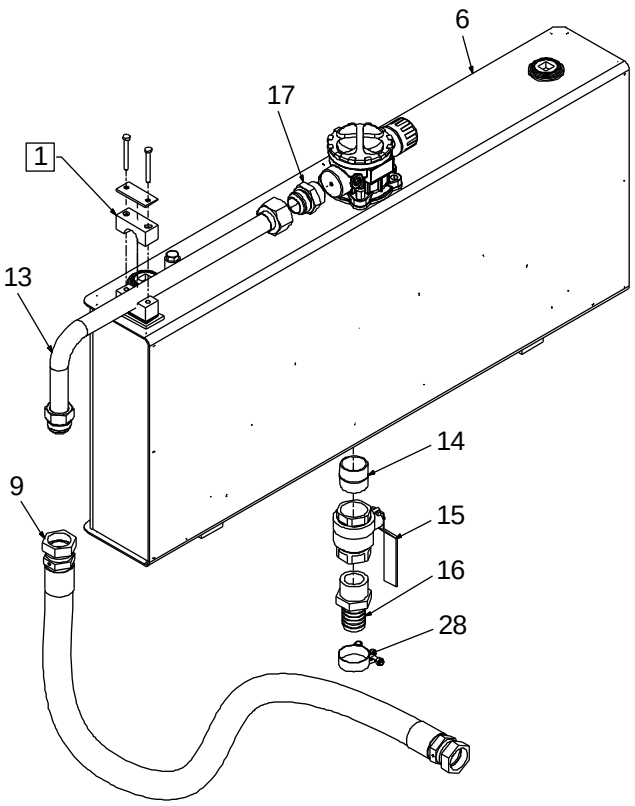
Dominator I Crane Installation Hole Pattern (99905219)

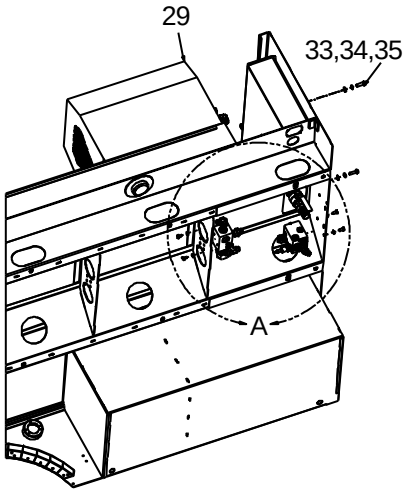


HOLES	CRANE MODEL
A	WS100 / 1015 / 3203i / 4004i (IMT)
B	2003i* / 2020 / 4004i** (non-IMT)
C	2820 / 3020 / 3820 / 5005i / 6006i / 7500S / 7500

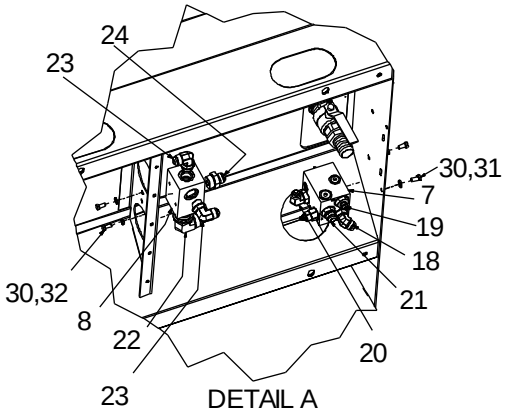
* Use adapter plate 51721678 on 2003i cranes.
* Use adapter plate 51721680 on non-IMT-manufactured 4004i cranes.

Hydraulic Installation, Dominator I Crane, CAS435HA Compressor (99905202)

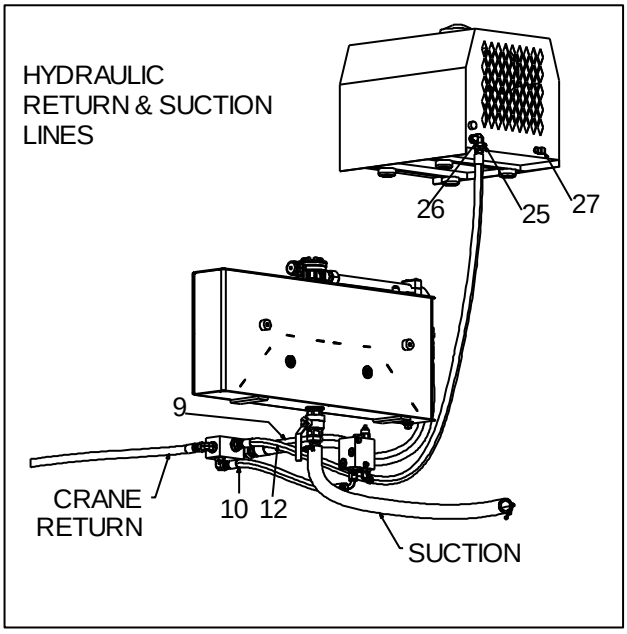


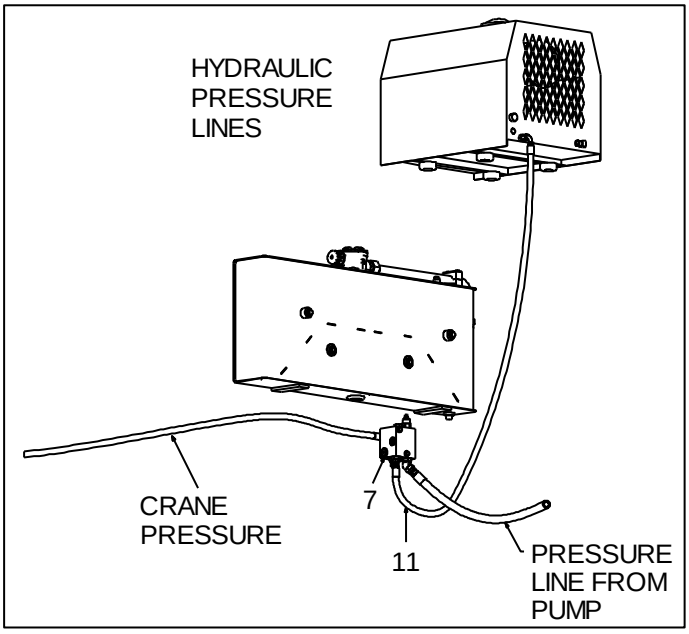


RIGHT-HAND SIDEPACK
REMOVED FOR CLARITY



DETAIL A





PRESSURE / RETURN HOSE PART NUMBERSBODY LENGTH	9'	11'	9' WITH WELDER DECK	11' WITH WELDER DECK
CRANE PRESSURE	51395433	51399197	51395433	51399197
CRANE RETURN	51399198	51399176	51399198	51399176
PRESSURE FROM PUMP	51399196	51399196	51399199	51399199
SUCTION	89397483-6'	89397483-6'	89397483-9'	89397483-9'

NOTES (SEE REFERENCE NUMBER IN BOX):

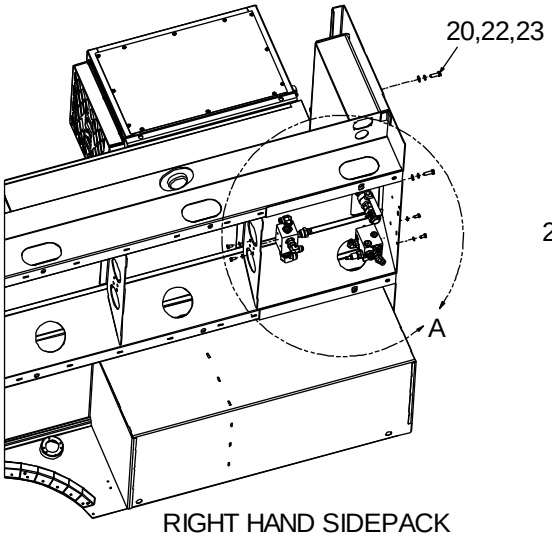
1 CLAMP ASSEMBLY IS PART OF ITEM #6.

2 MOUNT RETURN MANIFOLD ON GUSSET CLOSEST TO RESERVOIR.

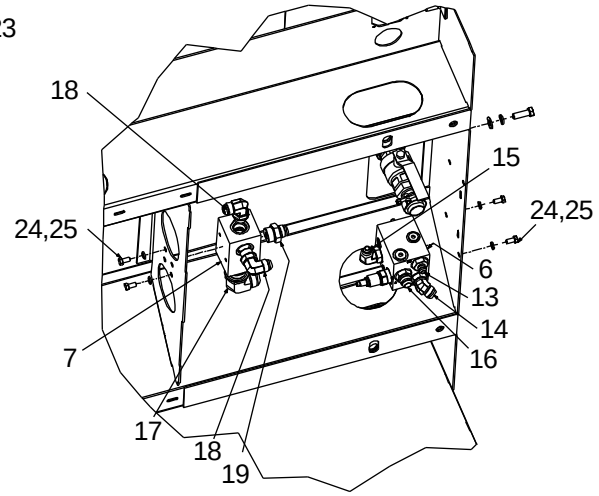
99905202 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	91723963	KIT, HYDRAULIC RESERVOIR		REF	1
2.	91723962	KIT, HYDRAULIC RETURN MANIFOLD		REF	1
3.	91723964	KIT, HYDRAULIC CAS435		REF	1
4.	91723967	KIT, HYDRAULIC, DOM I CRANE & CAS435		REF	1
5.	91724098	KIT-HYDRAULIC	1.50 SUCTION	REF	1
6.	51723758	RESERVOIR ASSEMBLY W/FILTER	21 GAL	1	1
7.	73540419	VALVE-ASSEMBLY, FLOW-CONTROL	10 GPM @3200 PSI	-	1
8.	73540446	MANIFOLD-RETURN		2	1
9.	51399167	HOSE	FF 1.25 X 49.00 (20-20) 100R4 GMV	2	1
10.	51399206	HOSE	FJ .75 X 25.00 (12-12) 100R4 GMV	4	1

99905202 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
11.	51399205	HOSE	FJ .50 X 94.00 (8-8) 100R17	4	1
12.	51399166	HOSE	FF .75 X 88.00 (12-12) 100R4 GMV	3	1
13.	71414719	TUBE ASSEMBLY-HYDRAULIC DOM RESERVOIR	1.25 OD	1	1
14.	72053251	NIPPLE-PIPE BLACK	1.50X CLOSE	5	1
15.	73054379	VALVE-BALL	1.5	5	1
16.	72531552	NIPPLE-BARB	STEEL 1.50MPT 1.50	5	1
17.	72534749	ADAPTER	M STR/M JIC 20 20	1	1
18.	72053781	ELBOW	M STR/45/M JIC 12 12	4	1
19.	72532360	ADAPTER	M STR/M JIC 12 8	4	1
20.	72533595	ELBOW	M STR/90/M JIC 12 8	4	1
21.	72532366	ADAPTER	M STR/M JIC 12 12	4	1
22.	72534814	ELBOW	M STR/90/M JIC 20 20	2	1
23.	72053767	ELBOW	M STR/90/M JIC 12 12	4	2
24.	72532367	ADAPTER	M STR/M JIC 16 12	3	1
25.	72532359	ADAPTER	M STR/M JIC 10 8	3	1
26.	72053766	ELBOW	M STR/90/M JIC 10 12	3	1
27.	72533592	NIPPLE-BARB	BRS .50MPT/90/.75	3	1
28.	72661656	CLAMP-HOSE	2.00 T-BOLT	5	2
29.	20013	COMPRESSOR-CAS435HA			1
30.	72060044	CAP SCREW	.38-16X .75 HH GR5 Z		4
31.	72063003	WASHER	.38 FLAT		2
32.	72063051	WASHER	.38 LOCK	2	2
33.	72060093	CAP SCREW	.50-13X 1.50 HH GR5 Z	1	2
34.	72063005	WASHER	.50 FLAT	1	2
35.	72063053	WASHER	.50 LOCK	1	2
REV A 20110923					

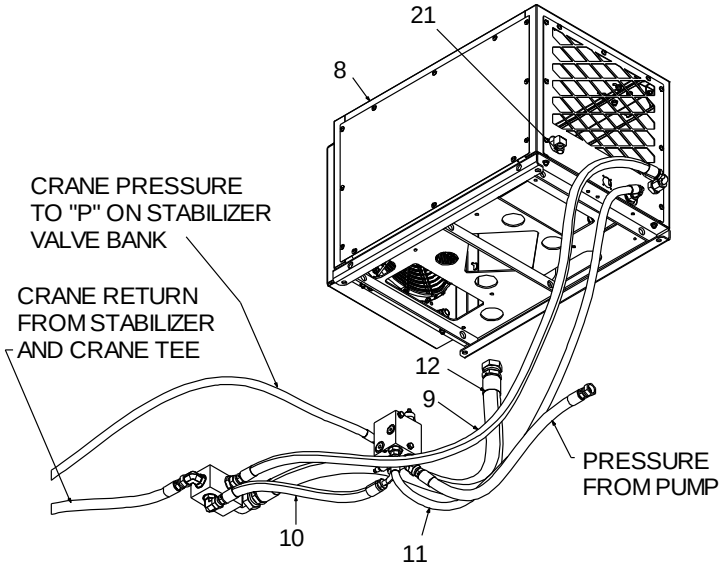
Hydraulic Installation, Dom I, Crane & CAS40P Compressor (99905349)



RIGHT HAND SIDEPACK
REMOVED FOR CLARITY



DETAIL A

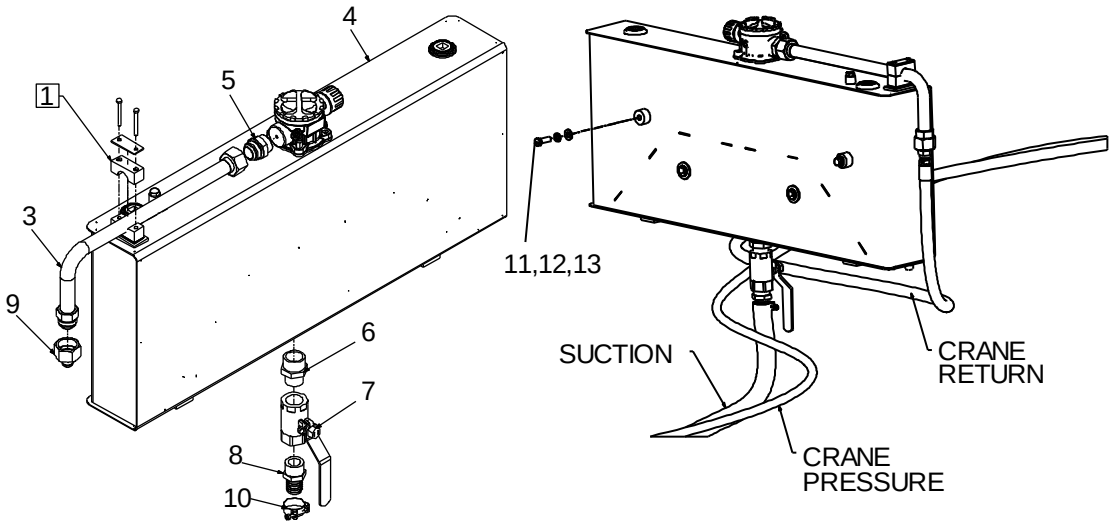


PRESSURE/RETURN HOSES

BODY LENGTH	9'	11'	9' WITH WELDER DECK	11' WITH WELDER DECK
CRANE PRESSURE	51395433	51399197	51395433	51399197
CRANE RETURN	51399198	51399176	51399198	51399176
PRESSURE FROM PUMP	51399196	51399196	51399199	51399199
SUCTION	89397483-6'	89397483-6'	89397483-9'	89397483-9'

99905349 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	91723962	KIT- HYDRAULIC RETURN MANIFOLD		REF
2.	91723963	KIT- HYDRAULIC RESERVOIR		REF
3.	91723967	KIT- HYDRAULIC DOM I CRN & CAS435		REF
4.	91723968	KIT- HYDRAULIC CAS40P REF		REF
5.	91724098	KIT-HYDRAULIC	1.50 SUCTION	REF
6.	73540419	VALVE-ASSY	P.FLOW CNTRL 10 GPM @320 PSI	1
7.	73540446	MANIFOLD-RETURN		1
8.	CAS40P	COMPRESSOR CAS40P		1
9.	51399265	HOSE	FJ .75 X 104.00 (12-12) 100R4 GMV	1
10.	51399206	HOSE	FJ .75 X 25.00 (12-12) 100R4 GMV	1
11.	51399205	HOSE	FJ .50 X 94.00 (8-8) 100R17	1
12.	51399167	HOSE	FF 1.25 X 49.00 (20-20) 100R4 GMV	1
13.	72532360	ADAPTER	M STR/M JIC 12 8	1
14.	72053781	ELBOW	M STR/45/M JIC 12 12	1
15.	72533595	ELBOW	M STR/90/M JIC 12 8	1
16.	72532366	ADAPTER	M STR/M JIC 12 12	1
17.	72534814	ELBOW	M STR/90/M JIC 20 20	1
18.	72053767	ELBOW	M STR/90/M JIC 12 12	2
19.	72532367	ADAPTER	M STR/M JIC 16 12	1
20.	72060093	CAP SCREW	.50-13X 1.50 HH GR5 Z	2
21.	72534819	NIPPLE-BARB	BRS .75MPT/90/.75	1
22.	72063005	WASHER	.50 FLAT	2
23.	72063053	WASHER	.50 LOCK	2
24.	72060044	CAP SCREW	.38-16X .75 HH GR5 Z	4
25.	72063051	WASHER	.38 LOCK	4
NEW 20111215				

Hydraulic Installation, Crane (99905203)



NOTES (SEE REFERENCE NUMBER IN BOX):

1 CLAMP ASSEMBLY IS PART OF ITEM #4.

HYDRAULIC LINES

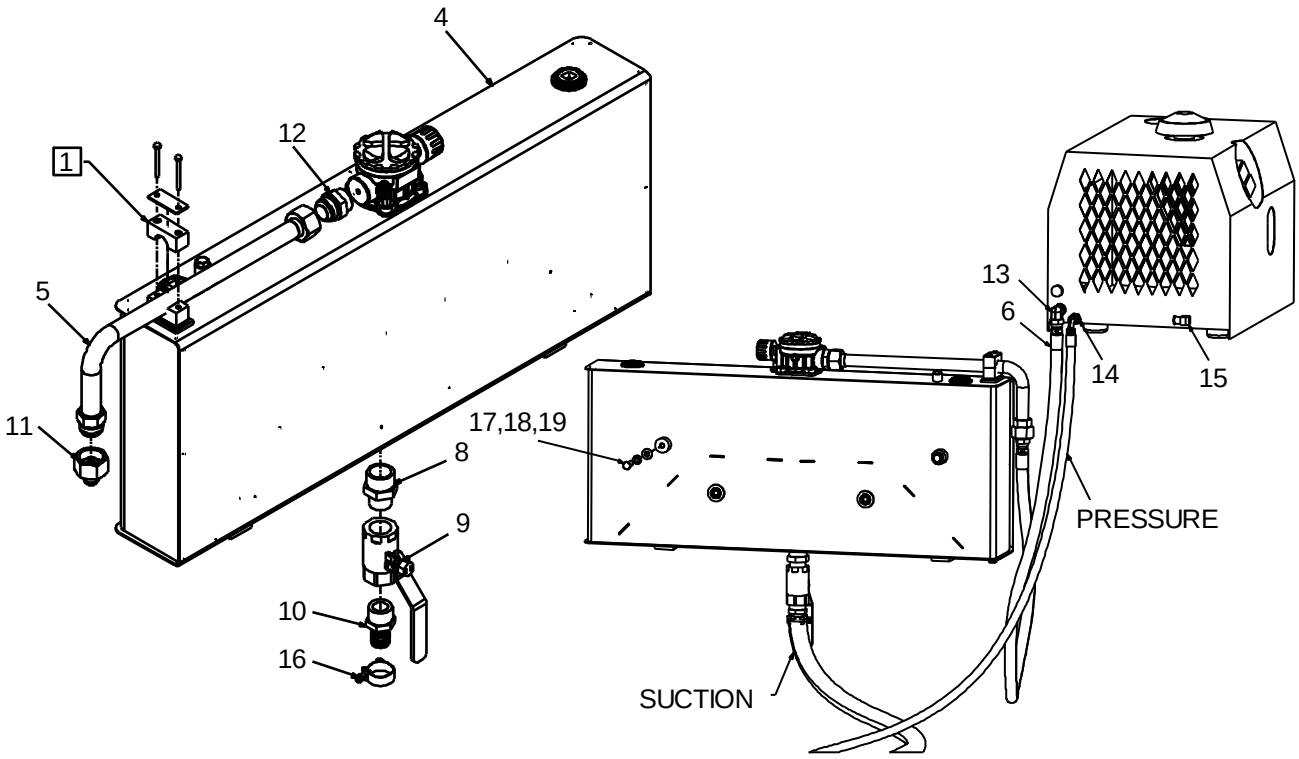
BODY LENGTH	9'	11'	13'	14'	19'
CRANE PRESSURE	51399200	51396239	51396721	51396721	51397030
CRANE RETURN	51399182	51399183	51399180	51399180	51399207
SUCTION	89399174-6'	89399174-6'	89399174-6'	89399174-6'	89399174-6'

HYDRAULIC LINES WITH WELDER DECK

BODY LENGTH	9'	11'	13'	14'	19'
CRANE PRESSURE	51399201	51396721	51396722	51396722	51397032
CRANE RETURN	51399184	51399180	51399208	51399209	51399210
SUCTION	89399174-9'	89399174-9'	89399174-9'	89399174-9'	89399174-9'

99905203 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	91723963	KIT, HYDRAULIC RESERVOIR		REF	1
2.	91724099	KIT-HYDRAULIC	1.25 SUCTION	REF	1
3.	71414719	TUBE ASSEMBLY-HYDRAULIC RESERVOIR	1.25 OD	1	1
4.	51723758	RESERVOIR ASSEMBLY WITH FILTER	21 GAL	1	1
5.	72534749	ADAPTER	M STR/M JIC 20 20	1	1
6.	72534438	ADAPTER	MPT/HEX/MPT 1.50 1.25	2	1
7.	73054232	VALVE-BALL	1.25	2	1
8.	72531550	NIPPLE-BARB	STL 1.25MPT 1.25	2	1
9.	72534811	ADAPTER	M JIC/F JIC 12 20	-	1
10.	72661642	CLAMP-HOSE	1.75 T-BOLT	2	2
11.	72060093	CAP SCREW	.50-13X 1.50 HH GR5 Z	1	2
12.	72063005	WASHER	.50 FLAT	1	2
13.	72063053	WASHER	.50 LOCK	1	2
REV A 20110923					

Hydraulic Installation, CAS435HA Compressor (99905204)



NOTES (SEE REFERENCE NUMBER IN BOX):

1 CLAMP ASSEMBLY IS PART OF ITEM #4.

HYDRAULIC LINES

BODY LENGTH	9'	11'	13'	14'	19'
COMPRESSOR PRESSURE	51396287	51399186	51399186	51399186	51399186
SUCTION	89399174-6'	89399174-6'	89399174-6'	89399174-6'	89399174-6'

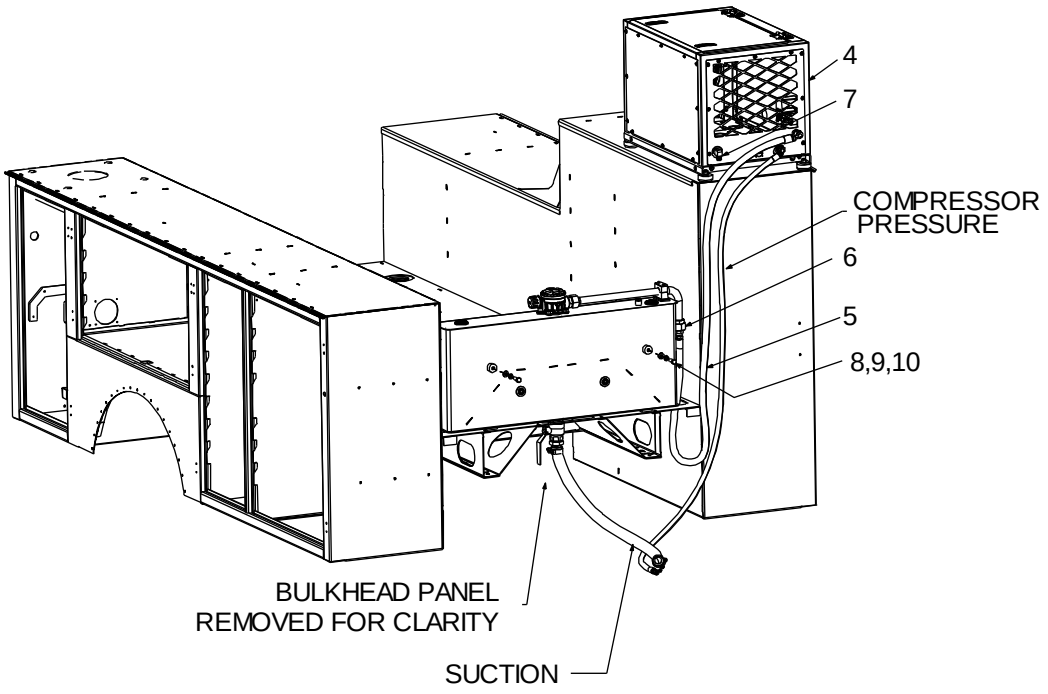
HYDRAULIC LINES WITH WELDER DECK

BODY LENGTH	9'	11'	13'	14'	19'
COMPRESSOR PRESSURE	51399187	51399187	51399187	51399187	51399187
SUCTION	89399174-9'	89399174-9'	89399174-9'	89399174-9'	89399174-9'

99905204 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	91723963	KIT, HYDRAULIC RESERVOIR		REF	1
2.	91723964	KIT, HYDRAULIC CAS435		REF	1

99905204 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
3.	91724099	KIT, HYDRAULIC SUCTION	1.25	REF	1
4.	51723758	RESERVOIR ASSEMBLY WITH FILTER	21 GAL	1	1
5.	71414719	TUBE ASSEMBLY-HYDRAULIC RESERVOIR	1.25 OD	1	1
6.	51399166	HOSE	FF .75 X 88.00 (12-12)	2	1
7.	20013	COMPRESSOR-MODEL CAS435HA		-	1
8.	72534438	ADAPTER	MPT/HEX/MPT 1.50 1.25	3	1
9.	73054232	VALVEBALL	1.25	3	1
10.	72531550	NIPPLEBARB	STL 1.25MPT 1.25	3	1
11.	72534811	ADAPTER	M JIC/F JIC 12 20	-	1
12.	72534749	ADAPTER	M STR/M JIC 20 20	1	1
13.	72053766	ELBOW	M STR/90/M JIC 10 12	2	1
14.	72532359	ADAPTER	M STR/M JIC 10 8	2	1
15.	72533592	NIPPLEBARB	BRS .50MPT/90/.75	2	1
16.	72661642	CLAMPHOSE	1.75 T-BOLT	3	2
17.	72060093	CAP SCREW	.50-13X 1.50 HH GR5 Z	1	2
18.	72063005	WASHER	.50 FLAT	1	2
19.	72063053	WASHER	.50 LOCK	1	2
REV A 20110923					

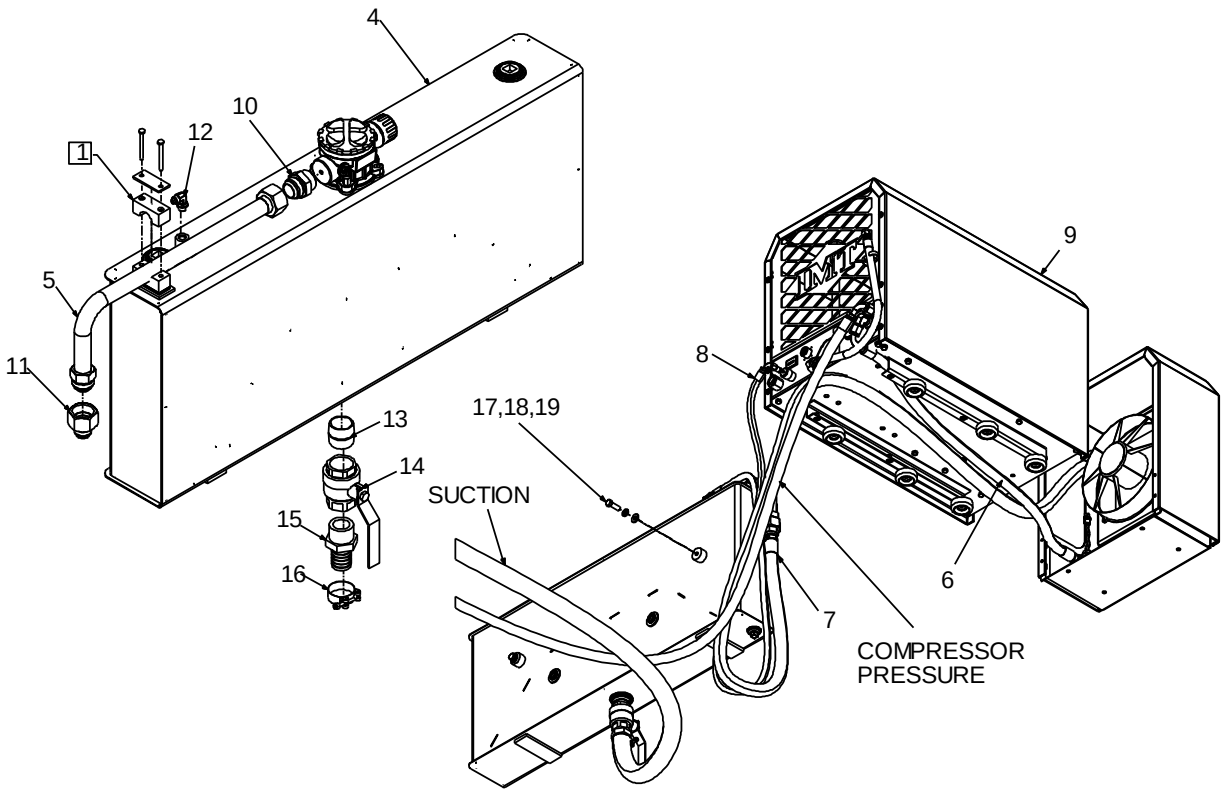
Hydraulic Installation, CAS40P Compressor (99905350)



	HYD LINES	HYD LINES WITH WELDER DECK
BODY LENGTH	9' - 19'	9' - 19'
COMPRESSOR PRESSURE	51396267	51396268
SUCTION	89393401-6'	89393401-9'

99905350 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	91723963	KIT, HYDRAULIC RESERVOIR		REF
2.	91723969	KIT, HYDRAULIC CAS40P		REF
3.	91724099	KIT, HYDRAULIC SUCTION	1.25	REF
4.	CAS40P	COMPRESSOR-MODEL CAS40P		1
5.	51399265	HOSE	FJ .75 X 104 (12-12) 100R4 GMV	1
6.	72534811	ADAPTER	MJIC/FJIC 12 20	1
7.	72534819	NIPPLE	BARB BRASS .75MPT/90/.75	1
8.	72060093	CAP SCREW	M JIC/F JIC 12 20	2
9.	72063005	WASHER	.50 FLAT	2
10.	72063053	WASHER	.50 LOCK	2
NEW 20111215				

Hydraulic Installation, CAS3560 Compressor (99905207)



NOTES (SEE REFERENCE NUMBER IN BOX):

1 CLAMP ASSEMBLY IS PART OF ITEM #4.

HYDRAULIC LINES

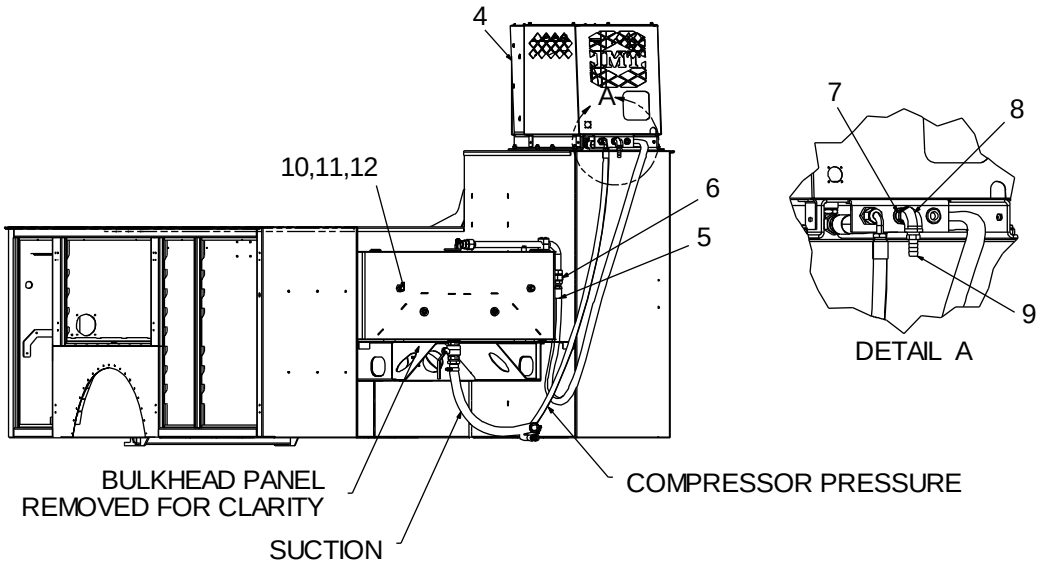
BODY LENGTH	11'	13'	14'	19'
COMPRESSOR PRESSURE	51399175	51399175	51399175	51399175
SUCTION	89397483-6'	89397483-6'	89397483-6'	89397483-6'

HYDRAULIC LINES WITH WELDER DECK

BODY LENGTH	11'	13'	14'	19'
COMPRESSOR PRESSURE	51399204	51399204	51399204	51399204
SUCTION	89397483-9'	89397483-9'	89397483-9'	89397483-9'

99905207 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	91723963	KIT, HYDRAULIC RESERVOIR		REF	1
2.	91723965	KIT, HYDRAULIC CAS2545/CAS3560		REF	1
3.	91724098	KIT-HYDRAULIC SUCTION	1.5	REF	1
4.	51723758	RESERVOIR ASSEMBLY WITH FILTER	21 GAL	1	1
5.	71414719	TUBE ASSEMBLY-HYDRAULIC RESERVOIR	1.25 OD	1	1
6.	51396747	HOSE	FJ 1.00 X 63.00 (12-12) 100R17 2 1	2	1
7.	51399188	HOSE	FF 1.00 X 140.00 (16-16) 100R4 2 1	2	1
8.	51399194	HOSE	FJ .38 X 90.00 (8-8) 100R17 2 1	2	1
9.	CAS3560	COMPRESSOR ASSEMBLY-CANOPY ROTARY SCREW			1
10.	72534749	ADAPTER	M STR/M JIC 20 20 1 1	1	1
11.	72534534	ADAPTER	M JIC/F JIC 16 20 - 1		1
12.	72053760	ELBOW	M STR/90/M JIC 6 6 2 1	2	1
13.	72053251	NIPPLE-PIPE BLK	1.50X CLOSE 3 1	3	1
14.	73054379	VALVE-BALL	1.50 3 1	3	1
15.	72531552	NIPPLE-BARB STL	1.50MPT 1.50 3 1	3	1
16.	72661656	CLAMP-HOSE	2.00 T-BOLT 3 2	3	2
17.	72060093	CAP SCREW	.50-13X 1.50 HH GR5 Z 1 2	1	2
18.	72063005	WASHER	.50 FLAT 1 2	1	2
19.	72063053	WASHER	.50 LOCK	1	2
REV A 20110923					

Hydraulic Installation, CAS60R Compressor, Ford (99905357)

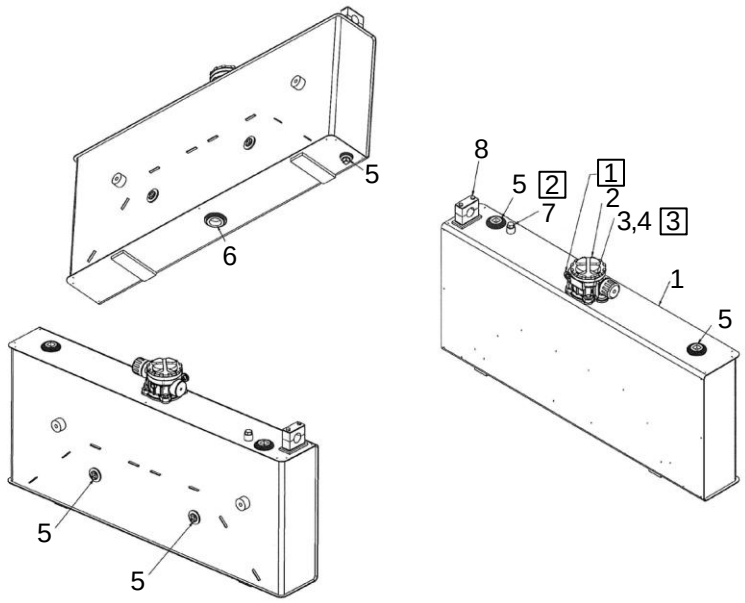


HYDRAULIC LINES

	11' - 19'	11' - 19' WITH WELDER DECK
COMPRESSOR PRESSURE	51399175	51399204
SUCTION	89397483-6'	89397483-9'

99905357 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	91723963	KIT-HYD RESERVOIR		1
2.	91723970	KIT-HYD CAS60R		1
3.	91724098	KIT-HYD 1.50 SUCTION		1
4.	CAS60R	COMPRESSOR-CAS60R		1
5.	51399270	HOSE-	FF 1.00 X 125.00 (16-16) 100R4	1
6.	72534534	ADPTR-	M JIC/F JIC 16 20	1
7.	72053558	ADPTR-	MPT/HEX/MPT .75 .75	1
8.	72531102	ELBOW-STL	.75 X 90 DEG	1
9.	72053458	NIPPLE-BARB	BRS .75MPT .75	1
10.	72060093	CAP SCREW	.50-13X 1.50 HH GR5 Z	10
11.	72063053	WASHER	.50 LOCK	2
12.	72063005	WASHER	.50 FLAT	2
NEW 20111215				

Hydraulic Reservoir (51723758)



NOTES (SEE REFERENCE NUMBER IN BOX):

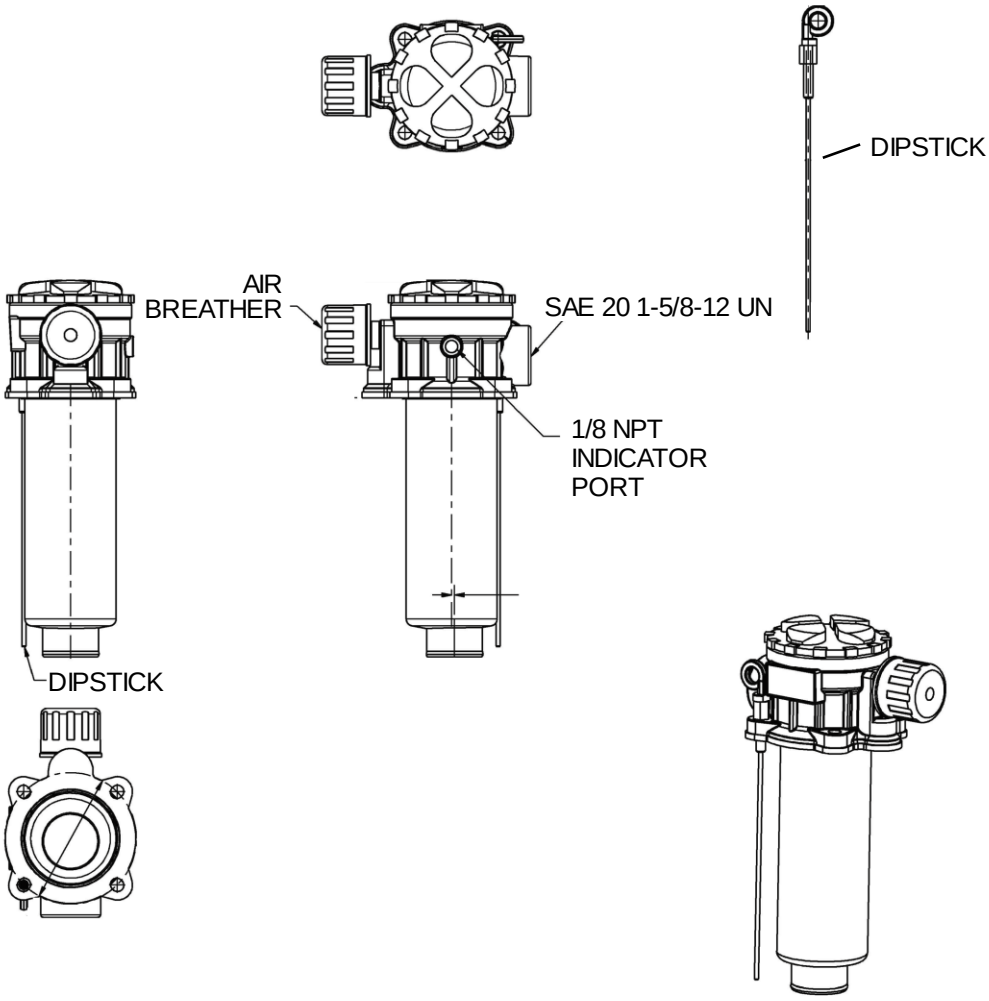
1 DIPSTICK BOLT TORQUE: 5 FT-LB (0.69 KG-M)

2 TORQUE - 24 FT-LB (3.3 KG-M)

3 TORQUE - 15 FT-LB (2.1 KG-M)

51723758 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.		HYDRAULIC TANK WELDMENT		1
2.	REF 90734588	HYDRAULIC FILTER ASSEMBLY	29 GPM	1
3.		BOLT, SELF SEALING	M8 X 1.25 X 35 mm	3
4.		LUBRICANT		AS REQ'D
5.		LOCTITE	#565	AS REQ'D
6.		CAPLUG, THREAD PROTECTOR		1
7.		O-RING PLUG	HH 9/16-18 ZINC PLATED	1
8.	70034510	CLAMP ASSEMBLY	1.25"	1

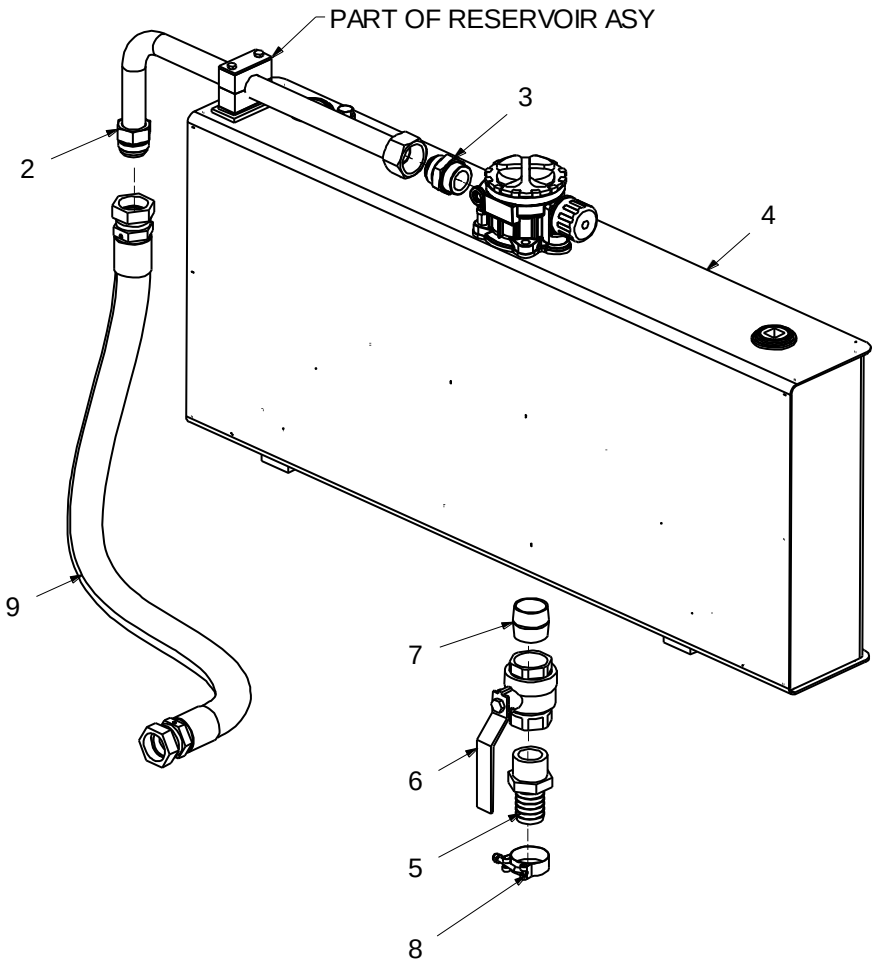
90734588 HYDRAULIC FILTER REPLACEMENT KIT



90734588 INCLUDES:

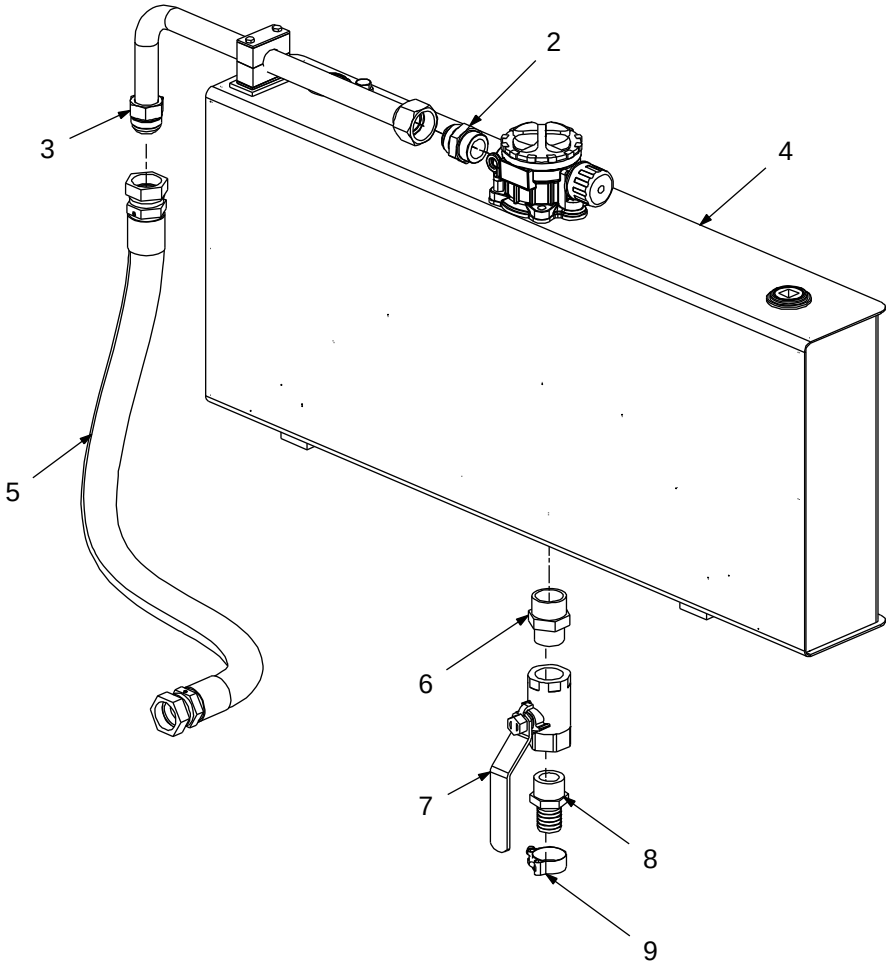
- 73052153 FILTER ELEMENT (10 MICRON)
- 70048245 BREATHER ELEMENT (10 MICRON)

Reservoir Assembly, 1.5" Suction (99905358)



99905358 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	91724098	KIT-HYD 1.50 SUCTION		1
2.	71414719	TUBE ASSEMBLY-HYD	1.25 OD	1
3.	72534749	ADAPTER	M STR/M JIC 20 20	1
4.	51723758	RESERVOIR ASSEMBLY W/FILTER	21 GAL	1
5.	72531552	NIPPLE-BARB	STL 1.50MPT 1.50	1
6.	73054379	VALVE-BALL	1.5	1
7.	72053251	NIPPLE-PIPE	BLK 1.50X CLOSE	1
8.	72661656	CLAMP-HOSE	2.00 T-BOLT	1
9.	51399167	HOSE	FF 1.25 X 49.00 (20-20) 100R4 GMV	REF
NEW 20111215				

Reservoir Assembly, 1.25" Suction (99905359)

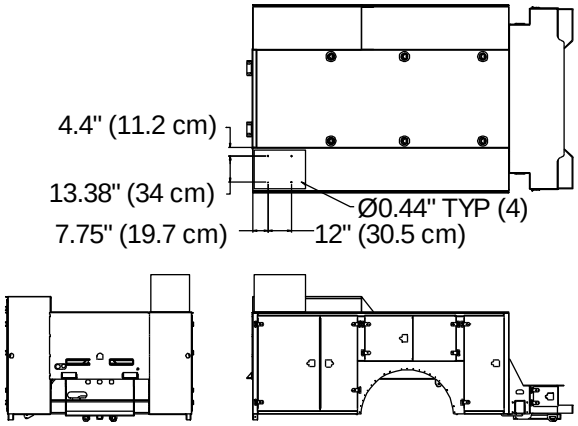


99905359 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	91724099	KIT-HYD 1.25 SUCTION		REF
2.	72534749	ADAPTER	M STR/M JIC 20 20	1
3.	71414719	TUBE ASM-HYD	1.25 OD	1
4.	51723758	RESERVOIR ASM W/FILTER	21 GAL	1
5.	51399167	HOSE	FF 1.25 X 49.00 (20-20) 100R4 GMV	1
6.	72534438	ADAPTER	MPT/HEX/MPT 1.50 1.25	1
7.	73054232	VALVE-BALL	1.25	1
8.	72531550	NIPPLE-BARB	STL 1.25MPT 1.25	1
9.	72661642	CLAMP-HOSE	1.75 T-BOLT	1
NEW 20111215				

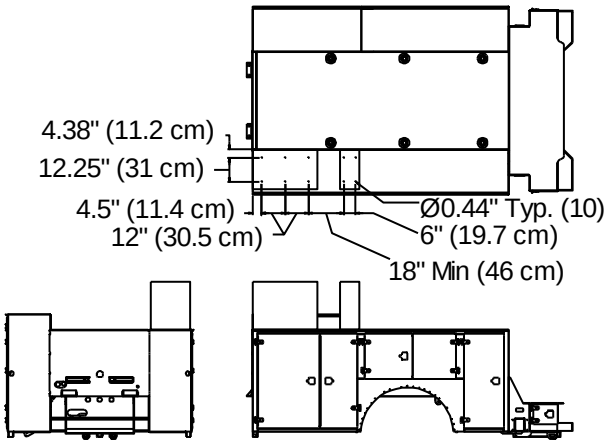
Compressor Installation, CAS435HA - CAS3560 - CAS2545 (99905254)

NOTE:
When installing any compressors, maintain a minimum clearance of 10" on each end of the compressor. If installing a compressor with a hydraulic aftercooler, maintain a minimum space of 10" between the compressor and aftercooler, while still maintaining the 10" of clearance on each end of the compressor-cooler combination.

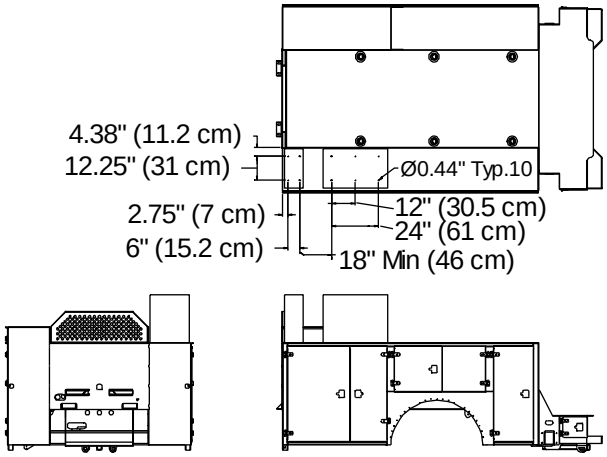
CAS435HA Compressor Mounting Location



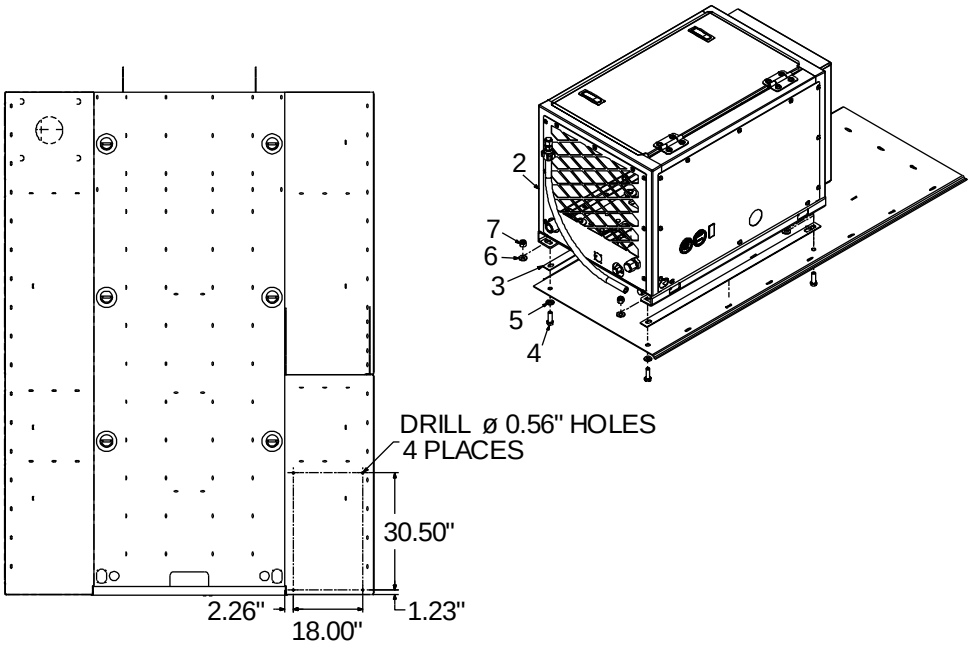
CAS2545 (No Telescopic Roof) & CAS3560 Compressor Mounting Locations



CAS2545 (With Telescopic Roof) Compressor Mounting Locations

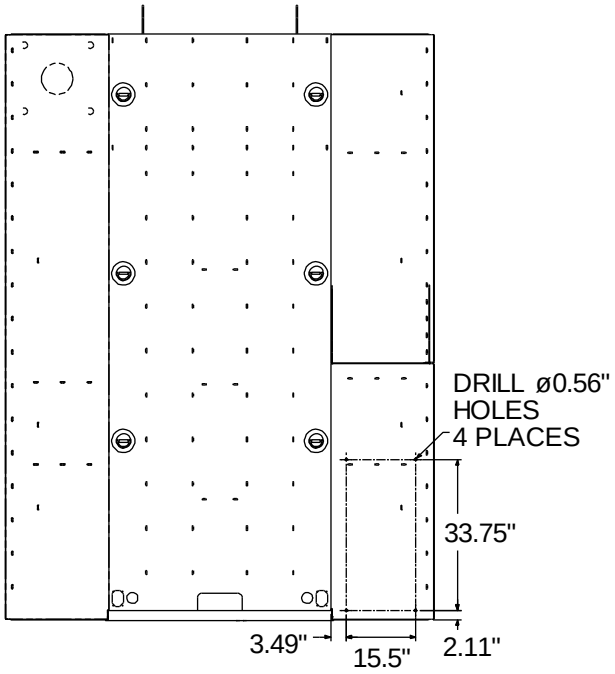


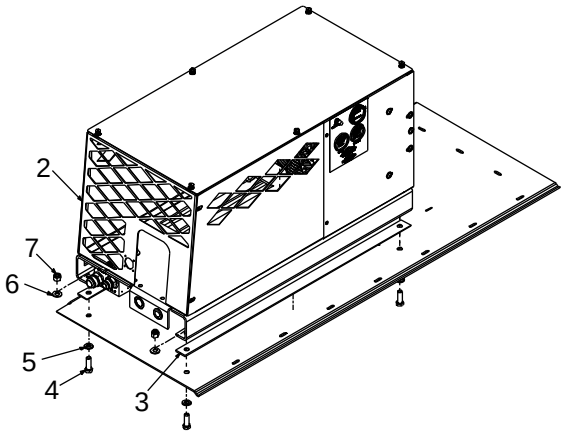
CAS40P Mounting Location & Installation (99905363)



99905363 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	51724483	HARDWARE KIT-CAS40P INSTALL		REF
2.	CAS40P	COMPRESSOR-CAS40P		1
3.	76399273	GASKET-MOUNT		2
4.	72060117	CAP SCREW	.50-13X 1.50 HH GR8 Z	4
5.	76392599	WASHER	BONDED .50 PLTD	4
6.	72063005	WASHER	.50 FLAT	4
7.	72062080	NUT	.50-13 HEX NYLOCK	4
REV B 20120405				

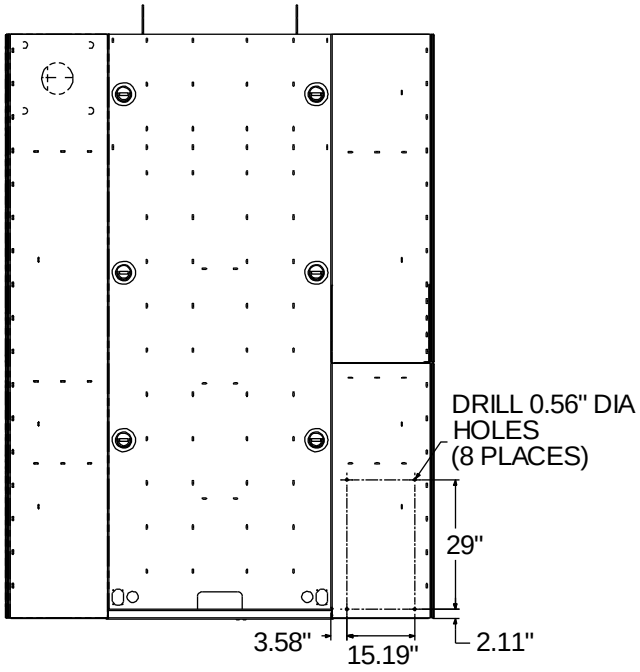
CAS45R Mounting Location & Installation (99905364)

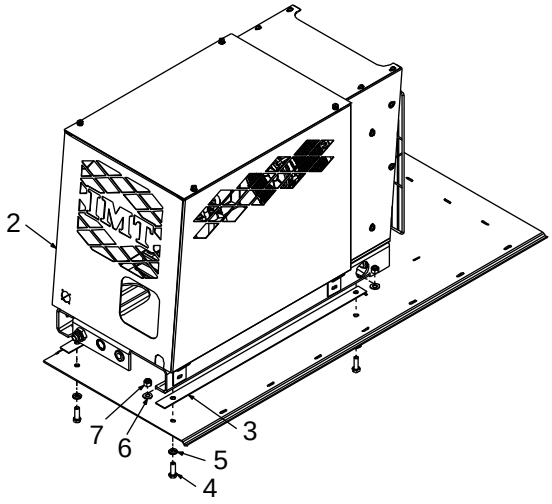




99905364 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	51724484	HARDWARE KIT-CAS45R INSTALL		REF
2.	CAS45R	COMPRESSOR-CAS45R		REF
3.	76399272	GASKET-MOUNT		2
4.	72060117	CAP SCREW	.50-13X 1.50 HH GR8 Z	4
5.	76392599	WASHER	BONDED .50 PLTD	4
6.	72063005	WASHER	.50 FLAT	4
7.	72062080	NUT	.50-13 HEX NYLOCK	4
NEW 20111215				

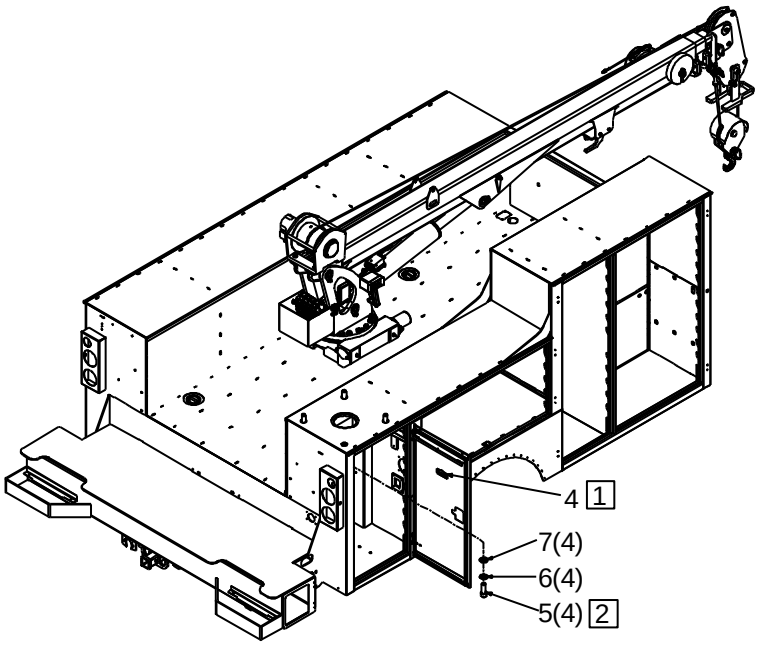
CAS60R Mounting Location & Installation (99905365)

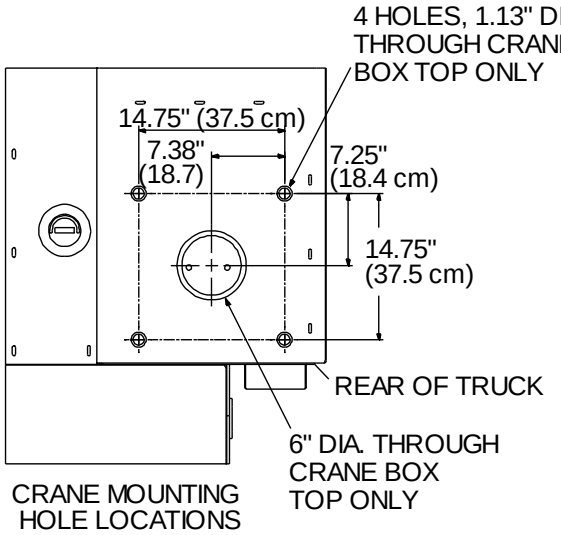




99905365 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	51724485	HARDWARE KIT-CAS60R INSTALL		REF
2.	CAS60R	COMPRESSOR-CAS60R		REF
3.	76399273	GASKET-MOUNT		2
4.	72060117	CAP SCREW	.50-13X 1.50 HH GR8 Z	4
5.	76392599	WASHER	BONDED .50 PLTD	4
6.	72063005	WASHER	.50 FLAT	4
7.	72062080	NUT	.50-13 HEX NYLOCK	4
REV A 20120117				

Dominator I - 6000 & 7500 Installation Kit (99905066)





NOTES (SEE REFERENCE NUMBER IN BOX):

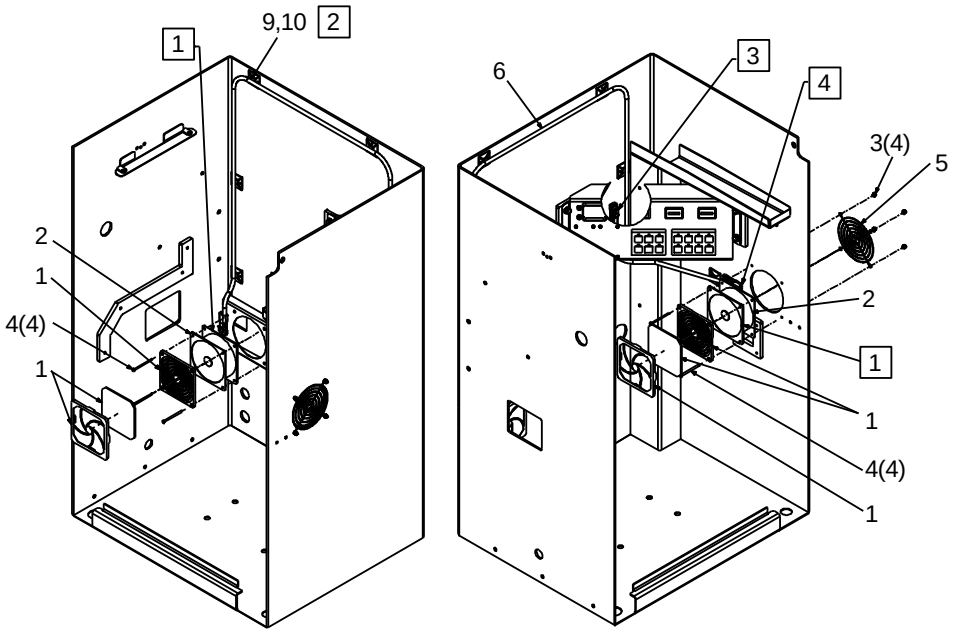
1 INSTALL THE LEVEL INDICATOR (72042097) PARALLEL TO THE DOOR REINFORCEMENTS.

2 TORQUE MOUNTING BOLTS TO 680 FT-LB (94 KG-M). (4 PLACES) USE THE SUPPLIED 3" (7.6 cm) BOLTS WITH A CRANE BOX TOP PLATE THICKNESS OF 1/2" TO 5/8" (1.3 cm TO 1.6 cm) ONLY. DETERMINE THE THICKNESS OF THE CRANE BOX TOP PLATE PRIOR TO MOUNTING. IF DIFFERENT LENGTH BOLTS ARE REQUIRED, THEY MUST BE 1-8, GRADE 8, ZINC COATED, OF PROPER LENGTH. FAILURE TO USE PROPER LENGTH BOLTS MAY CAUSE THE BOLTS UNDER THE CRANE SWING BEARING TO BOTTOM OUT BEFORE TORQUING. INSURE A MINIMUM OF 1-1/2 THREAD ENGAGEMENT.

99905066 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	93713668	INSTALLATION KIT, 7500			1
2.	CRANE	CRANE ASSEMBLY			REF
3.	BODY	DOMINATOR BODY			REF
4.	72042097	LEVEL INDICATOR LEVEL		#1	1
5.	72601748	CAP SCREW	1.00-8 x3 SOCKET HEAD GRADE 8	#1	4
6.	72063066	WASHER	1" FLAT HIGH STRENGTH	#1	4
7.	60123848	WASHER-SPECIAL	1" X 2" X 0.25"	#1	4
8.	72063286	WASHER-FLAT	1"	#1	4
REV C 20120430					

Installation Kit, Compartment Pressure Fan (99905252)

REFERENCE KIT 51719186



NOTES (SEE REFERENCE NUMBER IN BOX):

1 AIR FLOW DIRECTION IS OUT OF CRANE COMPARTMENT.

2 AS REQUIRED.

3 WIRE HARNESS 77441135 CONNECTS TO THE HARNESS ON THE BACK OF THE ELECTRICAL PANEL.

4 TERMINATE FAN WIRING WITH ITEMS #7, 8, 11. BLACK WIRE TO CAVITY A. RED WIRE TO CAVITY B.

99905252 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	70144323	GUARD-FILTER		2
2.	77042080	FAN	12V AXIAL	2
3.	72062207	NUT	8-32 HEX NYLOCK	4
4.	72601676	SCREW-MACHINERY	#8-32 X 2.5 RDH	8
5.	70144322	GUARD-CHROME WIRE		1
6.	77441135	HARNESS-COMPARTMENT FAN		1
7.	77044552	TERMINAL	PACKARD WP 18-20 GA MALE	4
8.	77044573	CONNECTOR	PACKARD WP 2-CAVITY MALE	2
9.	77045927	RETAINER-ZIP TIE		6
10.	70034060	ZIP TIES		6
11.	70394069	SEAL	GREEN	4
REV A 20110706				

Electric Crane Installation (2003i, 3203i, 4004i, 5005i, 6006i) (99904394)

Install the IMT 2003i, 3203i, 4004i, 5005i, and 6006i model cranes using the instructions in 99904394. In addition to meeting the minimum chassis specifications noted in the Technical Data section of this manual, make sure there is sufficient room for mounting the crane and the platform is strong enough to support the crane and rated load. Install the crane only on an IMT designed and approved truck body. The body must be designed to sustain the forces imposed by the crane when lifting the full rated load. Install the body on the chassis before installing the crane. Refer to the following table for parts referenced in the following crane installation drawings.

CRANE INSTALLATION PARTS LIST				
ITEM	PART #	DESCRIPTION	KIT #	QUANTITY
1.	51721572	ELECTRIC CRANE BODY INSTALLATION		1
2.	91721647	HARDWARE KIT- 3203i/4004i ELEC CRANE BODY INSTALLATION		1
3.	91721751	HARDWARE KIT- 5005i ELEC CRANE BODY INSTALLATION		1
4.	99904317	DRAWING-CRANE & WINCH ASSEMBLY 3203I		REF
5.	Body	IMT BODY ASSEMBLY		REF
6.	60251272	BRACKET-SWITCH 300 AMP ELEC CRANE		1
7.	70734331	SWITCH-300A KEYED BATTERY DISCONNECT	#1	1
8.	72042097	LEVEL INDICATOR LEVEL	#1	1
9.	77040209	TERMINAL-RING NI .38 STUD 1 WIRE	#1	1
10.	77040529	TERMINAL-RING NI .31 STUD 1-2 WIRE	#1	3
11.	77441116	FUSEHOLDER-HIGH AMP2 BOLT WITH COVER	#1	1
12.	77441219	FUSE-225 AMP	#1	1
13.	89044276	CABLE-#1 WELDING	#1	35 FT
14.	89392333	TUBE-HEAT SHRINK AMP	#1	.50 FT
15.	72060208	CAP SCREW .75-10X 2.50 HH GR8 Z	#2	4
15.	72601621	CAP SCREW 1.00 - 8 X 3.00 HHGR8Z	#3	4
16.	72062299	NUT .75-10 HEX CENTER LOCKING	#2	4
16.	72062268	NUT 1.0 - 8 HEX CENTER LOCK	#3	4
17.	72063116	WASHER .75 N FLAT H ASTMF436Z	#2	8
17.	72063066	WASHER 1.0 FLAT HI STR	#3	8
18.	72060002	CAP SCREW .25-20X .75 HH GR5 Z	#2 & #3	4
19.	72060634	SCREW-MACHINERY #10-24X .50 RDH	#2 & #3	4
20.	72062000	NUT .25-20 HEX	#2 & #3	4
21.	72062106	NUT 10-24 HEX NYLOCK	#2 & #3	4
22.	72063001	WASHER .25 FLAT	#2 & #3	8
REV. 20100615				

To install the crane:

1 Use a lifting device capable of lifting the weight of the crane as indicated in the Technical Data section of this manual. Attach fabric slings to the crane lower boom, centered approximately 18 inches (46 cm) from the mast hinge. Make certain the crane is well balanced on the slings by slowly lifting approximately 6" (15 cm) off the ground. Lift the crane and apply a bead of waterproof compound, such as silicon based caulk, to the bottom of the base. Move the chassis under the crane and lower the crane into the desired position.

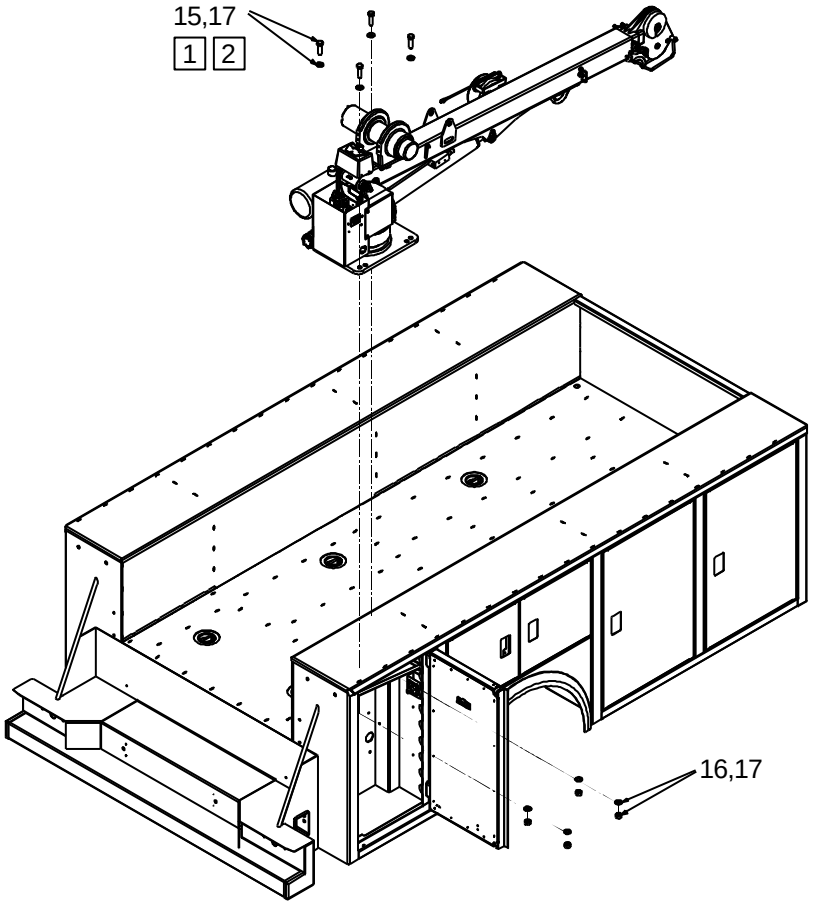
Install the mounting cap screws (item # 15) and washers (item #16) to secure the crane base to the truck body (see figure). Torque the 3/4" cap screws (used on models 3203i and 4004i) to 280 ft-lb and torque to 1" cap screws (used on models 5005i and 6006i) to 680 ft-lb.

NOTE:

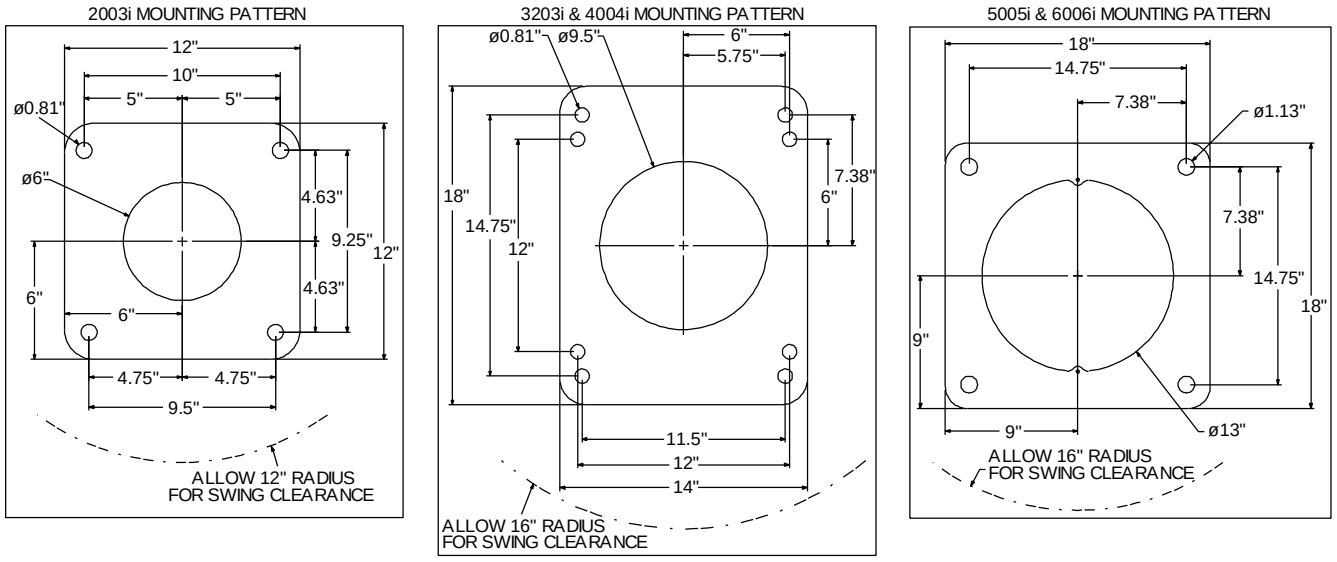
The 3/4-10 x 2.5" grade 8 zinc coated capscrews (models 3203i and 4004i) are designed for a crane box thickness of 1/2" only.

The 1-8 x 3" grade 8 zinc coated capscrews (model 5005i and 6006i) are designed for a crane box top thickness of 7/8" to 1" only.

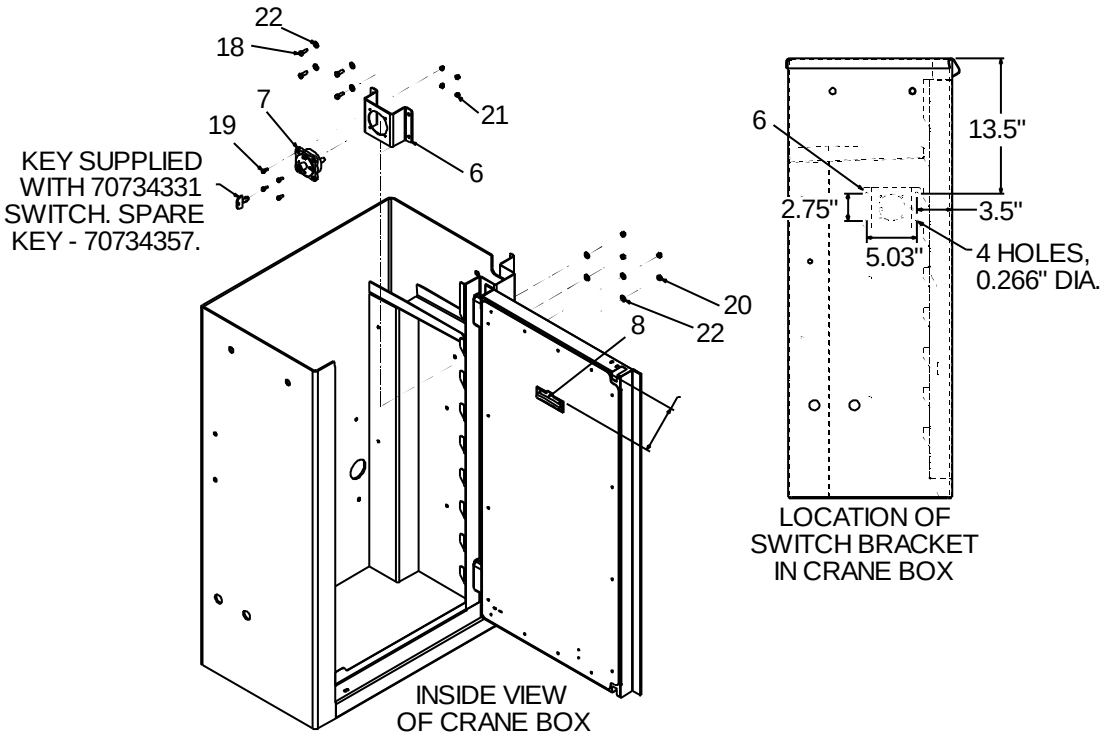
A different crane box may require different capscrews. If different length bolts are required, they must be the same size and of sufficient length. Failure to use proper length bolts may cause the bolts to bottom out before torquing.



MOUNTING PATTERNS



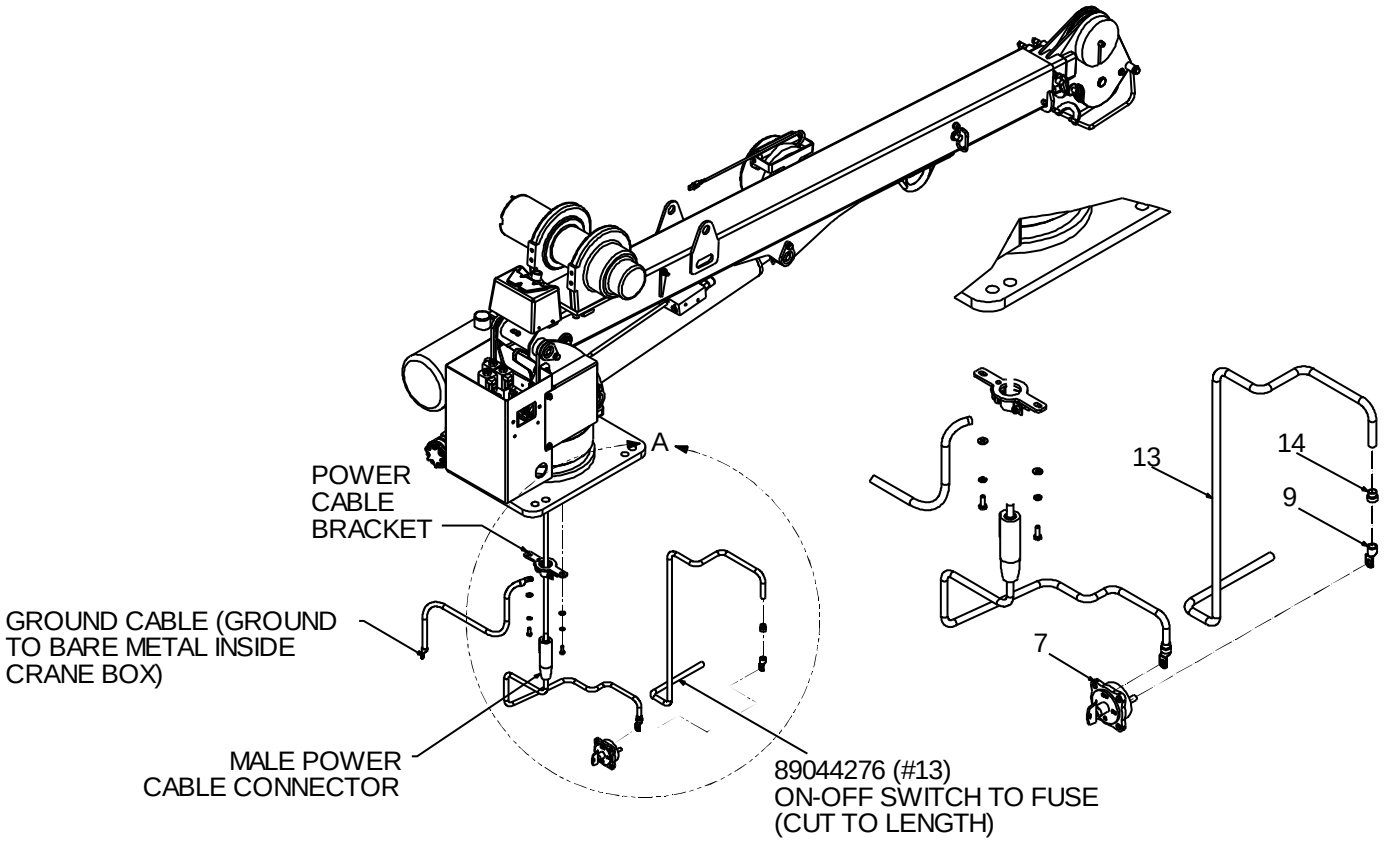
2 The electrical power switch (item #7) provides power for the crane. Install the switch onto the power unit cover.



3 Install the vehicle level indicator (item #8) parallel to the door reinforcements.

4 After mounting your crane, wire the crane to the vehicle's 12VDC electrical system using the following steps. Use the parts list above to identify parts. Your crane installation kit, 51721572, includes a 10.7 m (35') long cable, IMT # 89044276 (item #13 in the parts list). Use this cable to ground the auxiliary battery, the underhood battery, and to connect the batteries to the fuses and the fuses to the crane on-off switch. Cut the cable to length after determining the lengths required.

5 Ground the crane by connecting the crane ground cable to bare metal inside the crane box.



6 Connect the crane power cable from the male power cable connector to the on-off power switch. Connect cable (item #13 - 89044276), cut to length, from the crane power switch (item #7) to an electrical bulkhead connector, which will be connected to the fuses in step #8. Use 3/8" (0.95 cm) ring terminals (item #9 - 77040209) for each connection. Heat shrink the connections (item #14 - 89392333).

WARNING

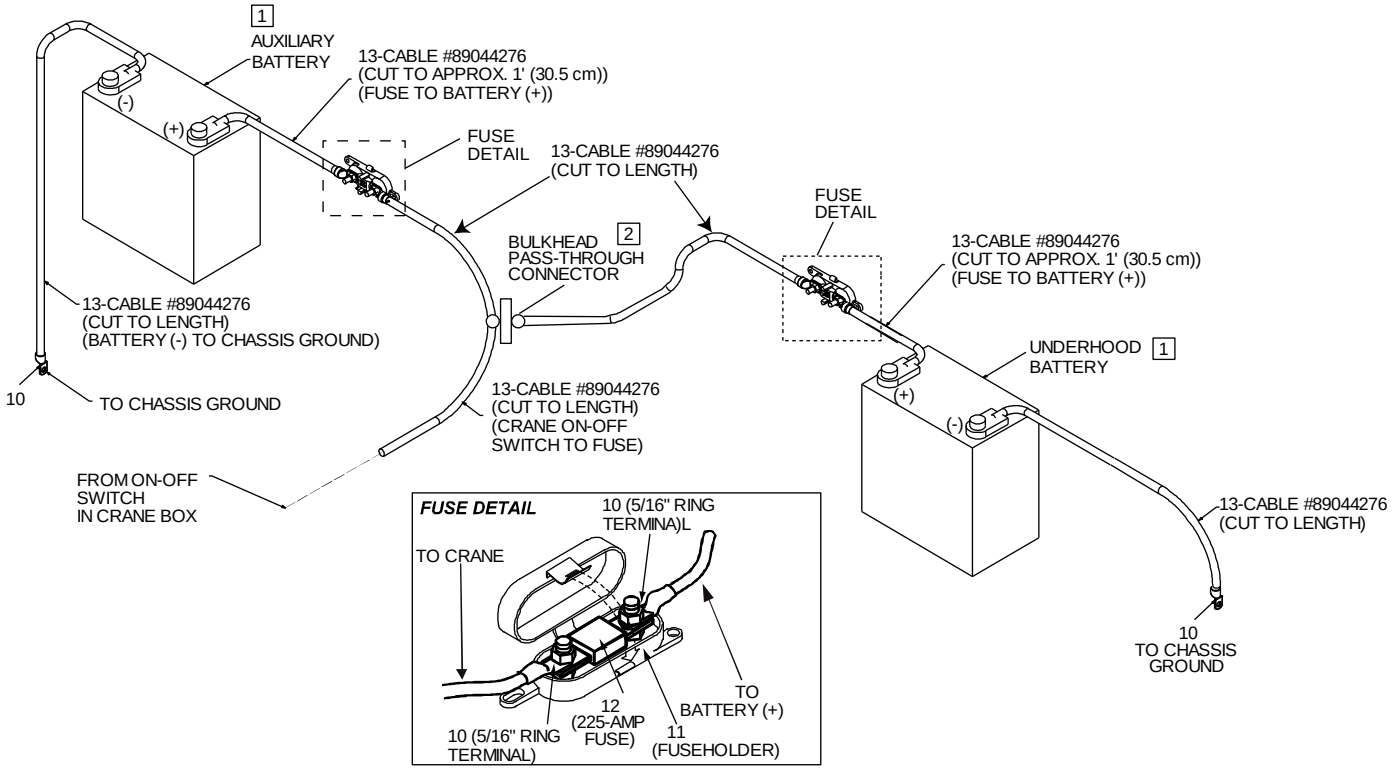
Protect the power cable from damage by fastening it inside the frame channel and covering it with protective covering including loom, conduit, etc. Be sure to use rubber grommets or other protection when running the power cable through steel bulkheads.

7 Use approximately 4' (1.2 m) of the cable (item #13) to ground both the vehicle battery and auxiliary battery. Connect one end of the ground cable to the negative terminal on the battery, and the other end to bare metal on the truck body. Use a 5/16" (0.79 cm) ring terminal (item #10 - 77040529) to connect to the truck body.

WARNING

Install the ground cable to the negative terminal of the batteries! The crane electrical ground completes the electrical circuit through the structure of the crane to the vehicle frame. The vehicle factory ground is NOT sufficient to carry the current required by the crane. Without this extra ground cable, your crane may not operate at rated capacity, and motor, contactor, or electrical damage may occur.

8 Mount one 225-amp fuse holder (item #11) close to the vehicle battery in a location which can be easily accessed if the fuse needs to be replaced. Repeat with the auxiliary battery. Use approximately one foot (30.5 cm) of cable (item #13) to connect the positive terminals on the vehicle batteries to the fuse holders. Connect the other end of each fuse holder to the bulkhead pass-through connector from step #6, which is then connected to the crane power switch. Cables connect to the fuse holders using 5/16" (0.79 cm) ring terminals (item #10 - 77040529). Heat shrink connections.



NOTES:

1. Use the highest rating cold-cranking amp battery available up to 1,000 CCA. Underhood and auxiliary batteries must be identical.
2. Use bulkhead pass-through connectors when power or ground passes through a compartment wall.
3. Reference drawing 99904884 for wiring diagram.

CHAPTER 5

Chassis Installation

In This Chapter

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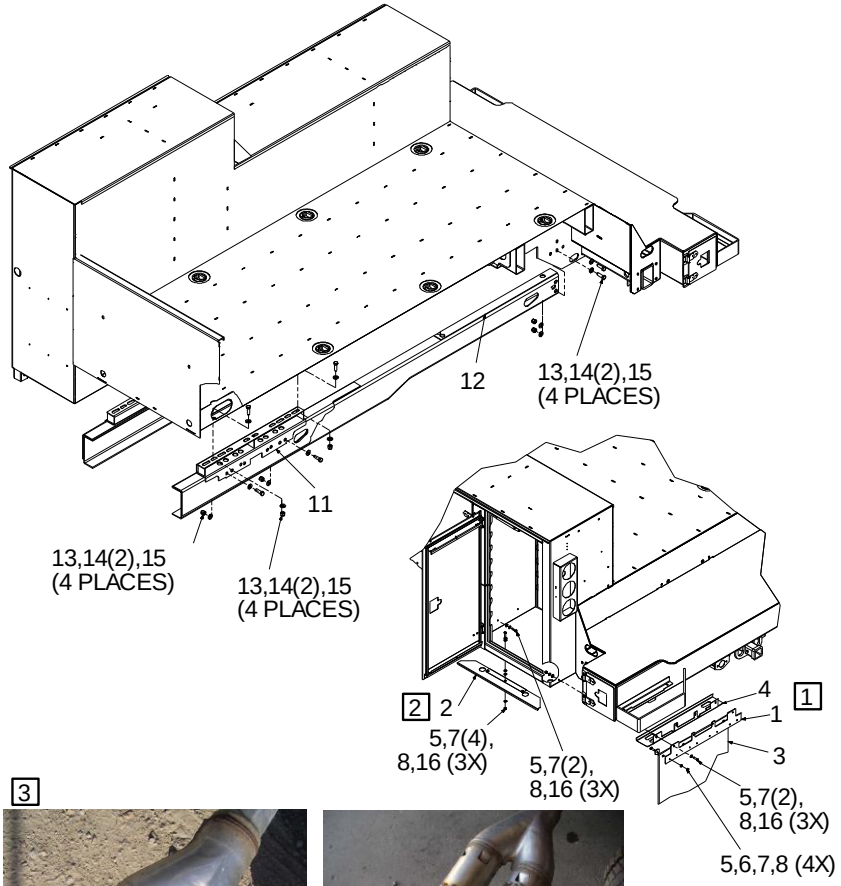
PTO/Pump Rotation Guide (99904279) 74

Chassis Installation, Ford 2008-present (99904280)

KIT NUMBERS:

- 93721198 - INSTALLATION KIT, DOMINATOR I 9' 60CA SINGLE WALL
- 93721199 - INSTALLATION KIT, DOMINATOR I 11' FORD 2008 - PRESENT SINGLE WALL
- 93721200 - INSTALLATION KIT, DOMINATOR I 11' FORD 2008 - PRESENT SINGLE WALL



3

NOTES:

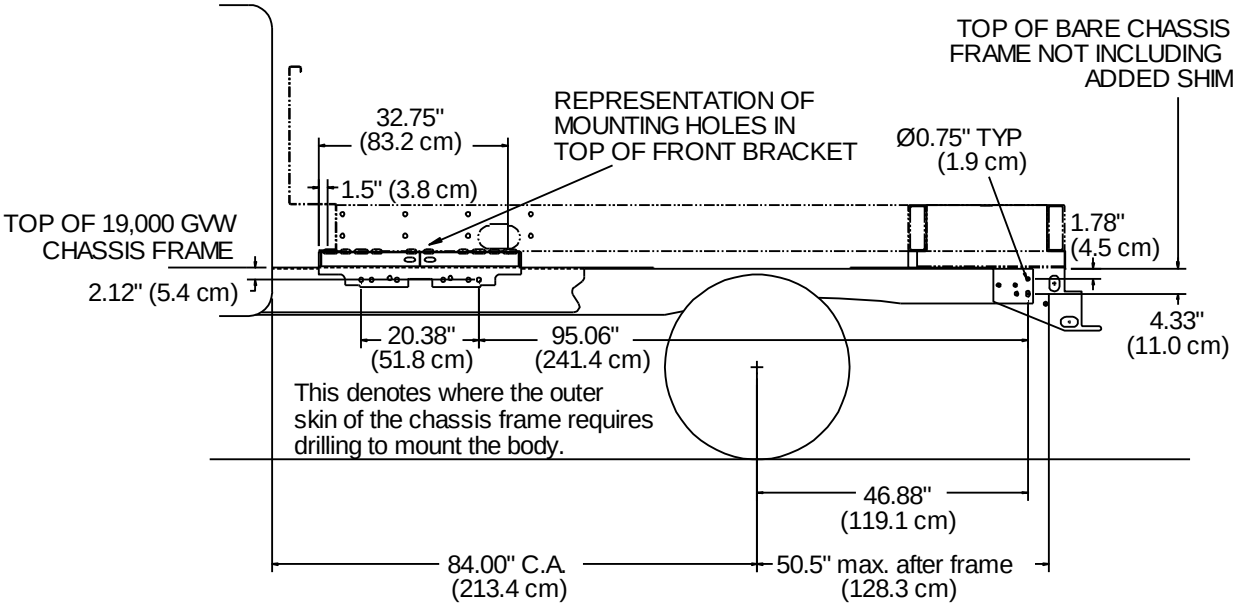
1 QUANTITIES NOTED FOR ALL PARTS ARE PER SIDE.

2 BOTH SIDES.

3 INSTALL 71412663 EXHAUST CONNECTOR ONTO EACH EXHAUST TIP. DO NOT COVER AIR HOLES IN ORIGINAL TIPS. WELD ALL AROUND. CONNECT WELDER GROUND TO 71512663 ONLY TO AVOID DAMAGE TO TRUCK COMPUTER.

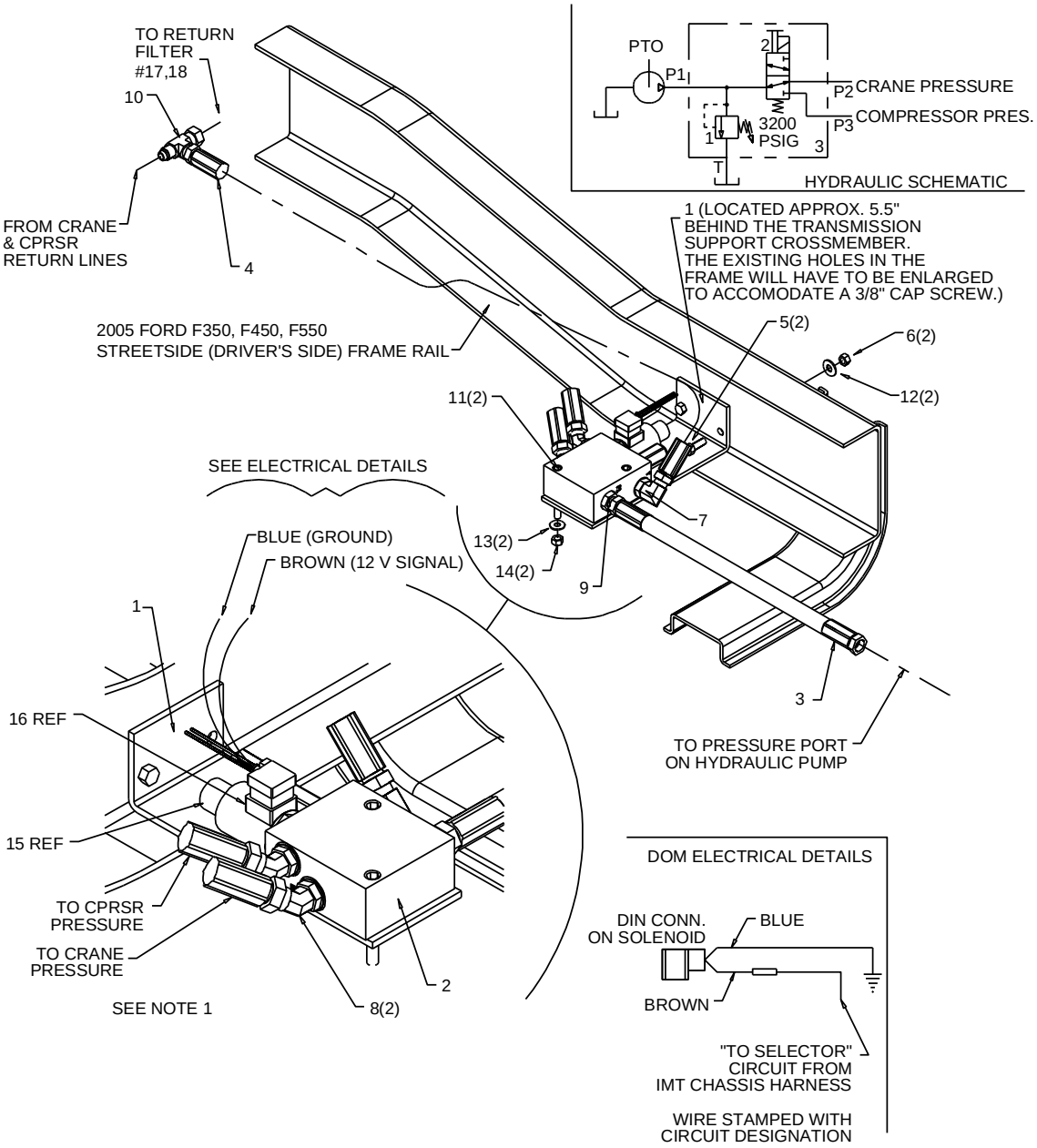
99904280 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	60131361	BRACKET-MUD FLAP FORD	6.4 L	2
2.	60131565	BRACKET-MUD FLAP SIDE PROTECTOR		2
3.	76393799	MUD FLAP		2
4.	60120705	MOUNTING BRACKET-WIRE HARNESS		2
5.	72060026	CAP SCREW	.31-18X 1.25 HH GR5 Z	26
6.	72063078	WASHER	.31X1.50 OD ZINC	8
7.	72063002	WASHER	.31 FLAT	56
8.	72062109	NUT	.31-18 HEX NYLOCK	26
9.	52714905	BRACKET-BODY FRONT DOM1 9' BODY		2
10.	52714843	BRACKET-BODY FRONT DOM1 11' BODY SINGLE WALL FRAME		2
11.	52716274	BRACKET-BODY FRONT DOM1 11' BODY DOUBLE WALL FRAME		2
12.	60122777	SHIM-BODY MOUNTING REAR		2
13.	72060151	CAP SCREW	.62-11X 2.00 HH GR8 Z	12
14.	72063119	WASHER	.62 FLAT ASTM F436	24
15.	72601859	NUT	.62-11 HEX ZINC NYLOK GR8	12
16.	76392598	WASHER-BONDED PLATED	.31	18
17.	71412663	EXHAUST CONNECTOR-4.00ID ELBOW (6.4)		2
18.	51721068	HARDWARE KIT-MUD DEFLECTOR		
NEW 20071004				

Chassis Installation, Dominator I 19000 GVW (99903540)



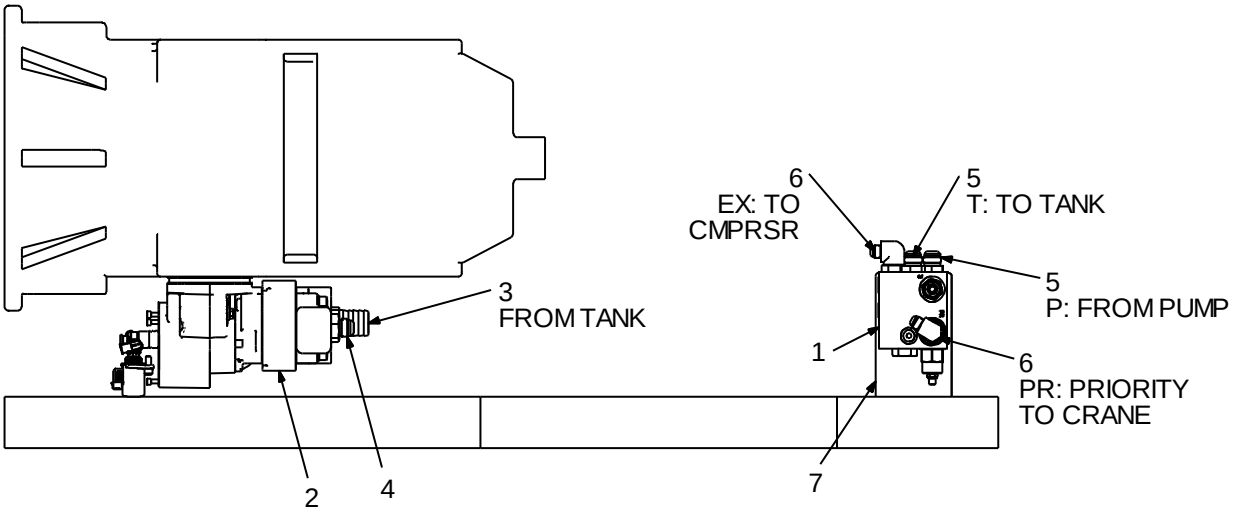
Installation Kit - Selector Valve - Ford Automatic Transmissions (99904080)

Used on Ford/Dodge 4x4 chassis with crane/compressor. Use 99904994 for MY2011 Ford 4x2 chassis.



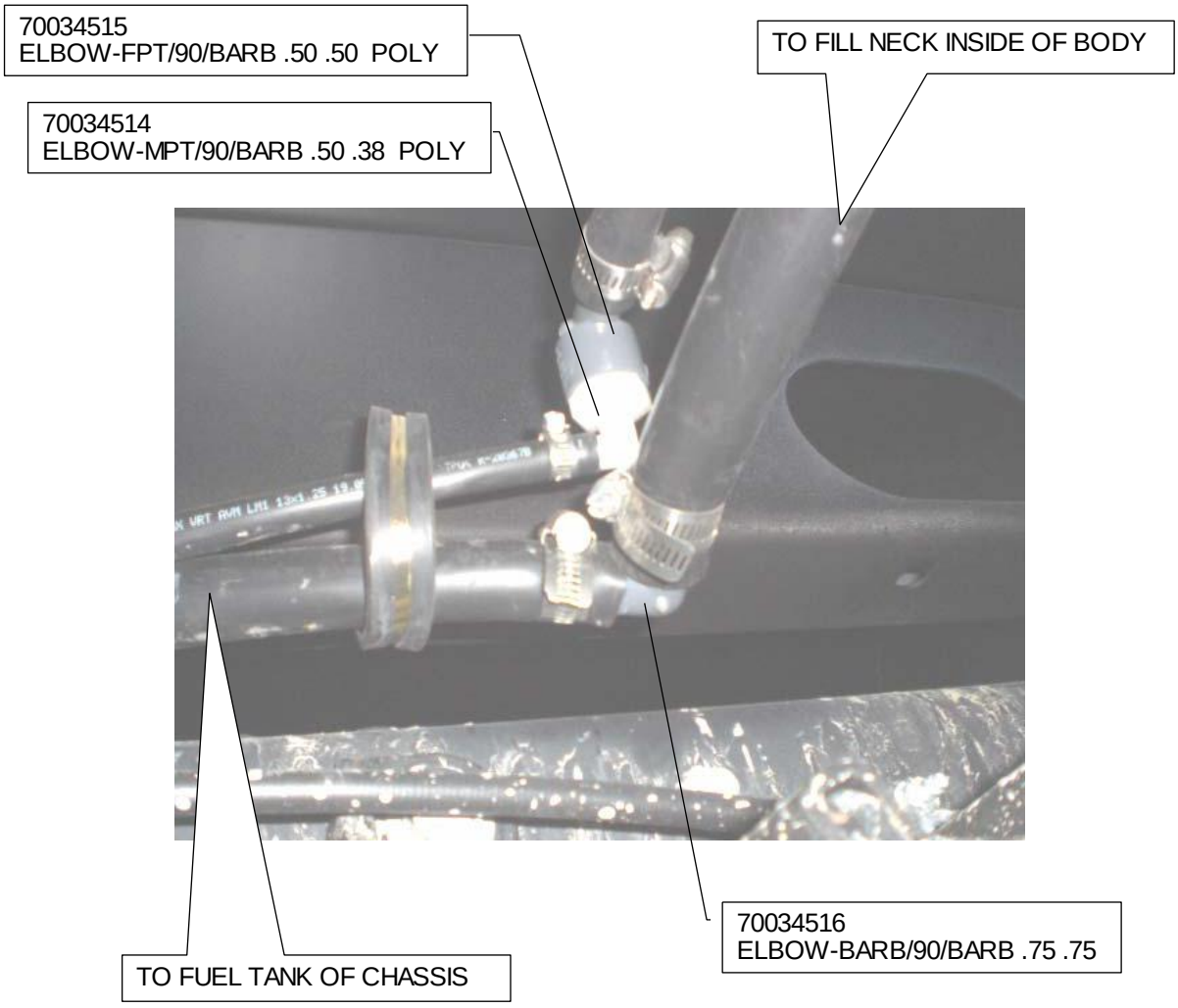
99904080 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60121487	BRACKET, SELECTOR VALVE MTG	1
2.	73540089	VALVE-SELECTOR WITH RELIEF 12V 15GPM	1
3.	51394014	HOSE-FF 1/2X32.5 OAL (8-8) (WAS 51375678)	1
4.	51397667	HOSE-FJ 1/2X46 OAL (8-8) (WAS 51395532)	1
5.	72060049	CAP SCR 3/8-16X1.75 HHGR5Z	2
6.	72062103	NUT 3/8-16 HEX NYLOC	2
7.	72053763	ELBOW #8MSTR #8MJIC 90	1
8.	72532358	ADAPTER #8MSTR #8MJIC (WAS 72053777)	2
9.	72532358	ADPTR #8MSTR #8MJIC	1
10.	72532657	TEE-SWIVEL NUT RUN JIC .75	A/R
	72534436	TEE-SWIVEL NUT RUN JIC 16 CTR 8	A/R
11.	72060738	CAP SCR 5/16-18 X 2.5 SH PLAIN	2
12.	72063003	WASHER 3/8 FLAT	2
13.	72063002	WASHER 5/16 FLAT	2
14.	72062109	NUT 5/16-18 HEX NYLOC	2
15.	77040446	COIL	REF
16.	77041661	SOLENOID VALVE	REF
17.	72053191	NIPPLE-PIPE BLK 1 X 4	1
18.	72053306	COUPLING-BLK 1	1
REV. C 20101220			

Installation Kit, Hydraulic, Ford 4x2 MY2011 (99904994)

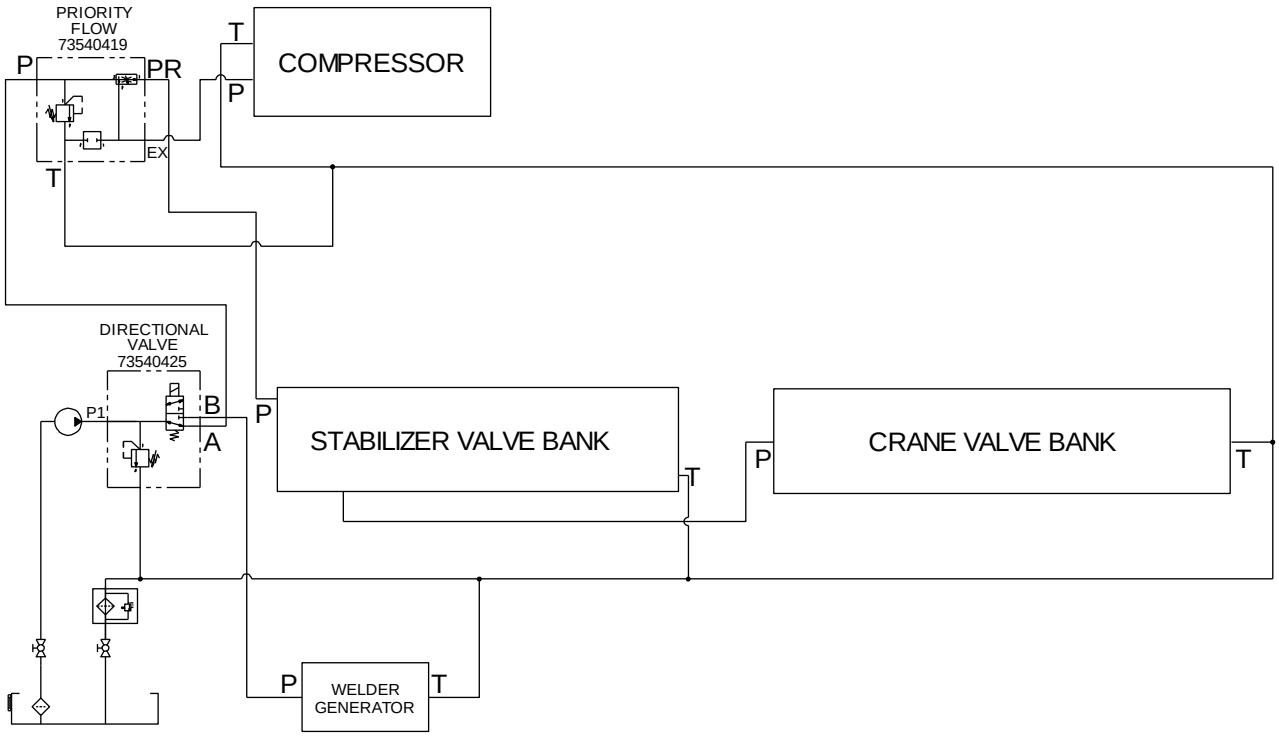


99904994 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73540419	VALVE ASSEMBLY, PROP FLOW CONTROL, 10 GPM @3200 PSI	1
2.	70570942	PTO (INCLUDES PUMP)	1
3.	72534741	NIPPLE-BARB STL 24 STR 1.25	1
4.	72532367	ADPTR-M STR/M JIC 16 12	1
5.	72532366	ADPTR-M STR/M JIC 12 12	2
6.	72533595	ELBOW-M STR/90/M JIC 12 8	2
7.	60136541	BRACKET-PRIORITY FLOW CONTROL	1
REV A 20110204			

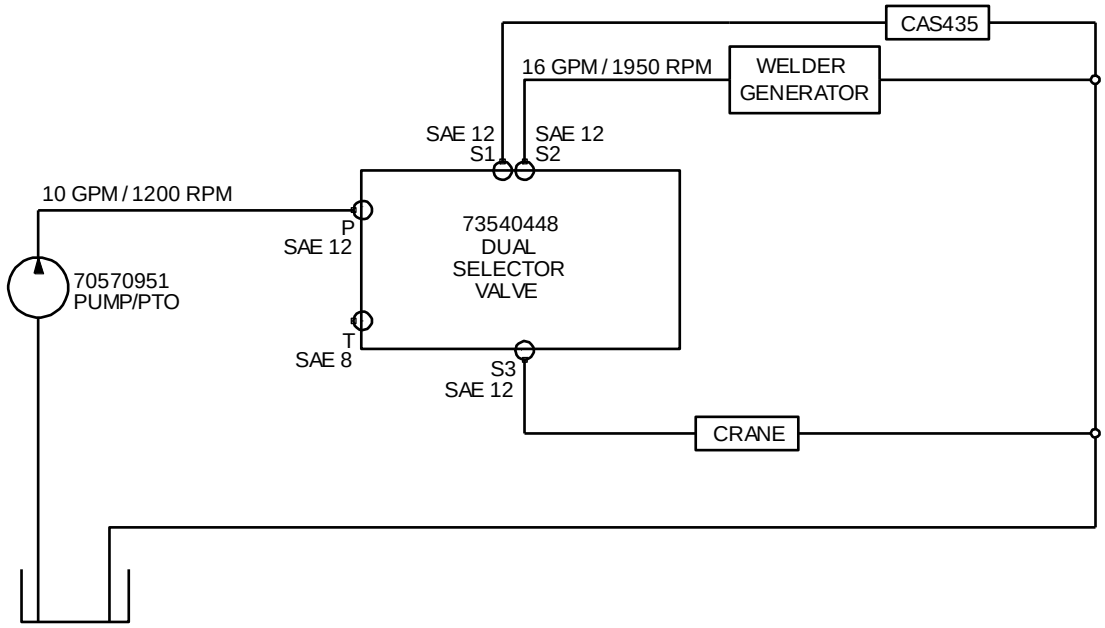
Installation, DEF Tank Hoses on 2011 Ford F550 (99904938)



Installation, Ford 4x2 with Crane, CAS35WG (99905023)

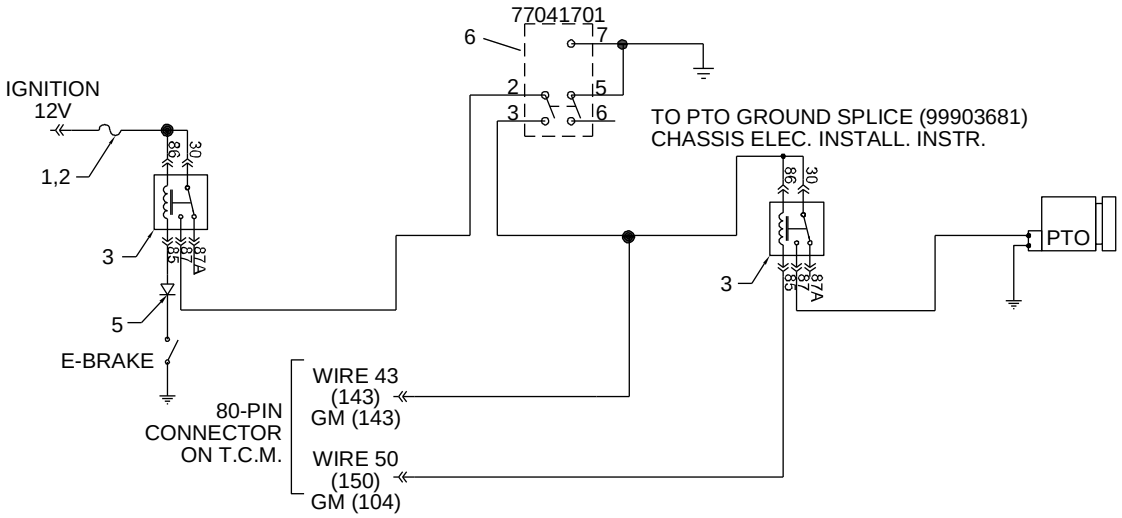


Installation, Ford 4x4 with Crane, CAS35WG (99905302)



PTO Wiring Installation-2006 to Present (99904085)

Allison T1000/T2000 TCM with Single PTO (4th Generation) (2006-present) (99904085-1)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

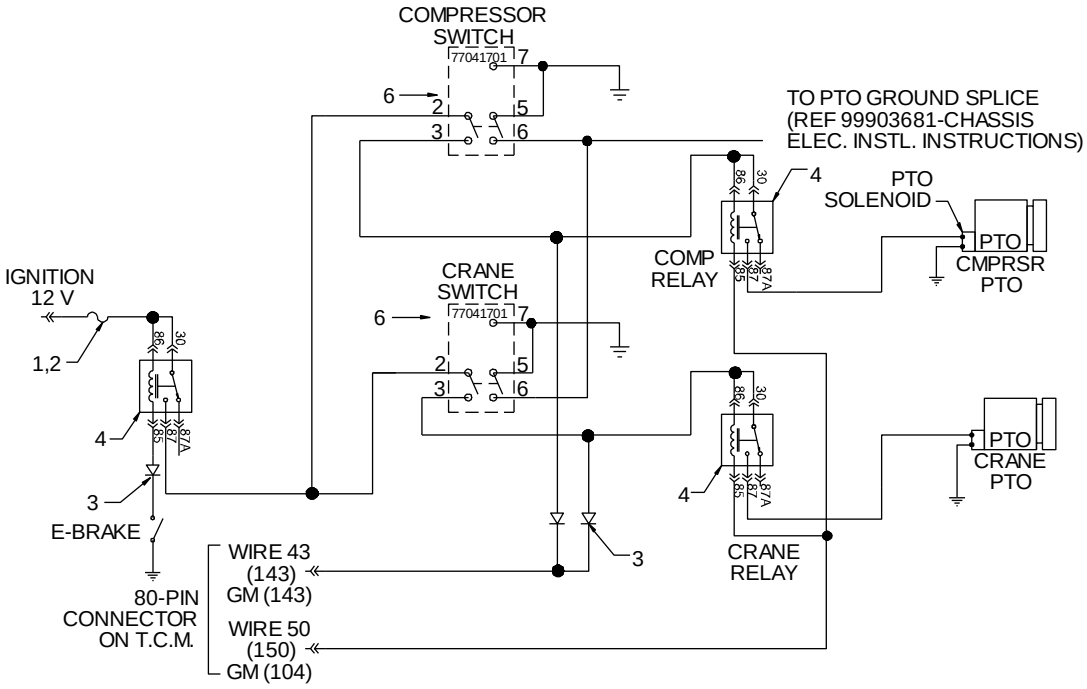
3 TCM for Sterling Actera is located under the cab. Use customer access Metripack connector located on the driver's side wheel well. Use cavity "F" for pin 43 and cavity "G" for pin 50. Use item #5 terminal to connect.

4 TCM for International 4300 and 4400 models is located under the cab. Use customer access Metripack connector located in the driver's side, upper wheel well. Use cavity "B" for wire 43 and cavity "C" for wire 50. Use item #5 terminal to connect.

5 2007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Wire 143 = Pin C; Wire 104 = Pin K.

ALLISON T1000/T2000 4th GEN SINGLE PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77041251	RELAY	2
4.	77441047	TERMINAL, MP 150 16-18GA MALE	2
5.	77044556	DIODE	1
6.	77041701	SWITCH-ROCKER	1
NEW 20061108			

Allison T1000/T2000 TCM with Dual PTO (4th Generation) (2006-present) (99904085-2)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

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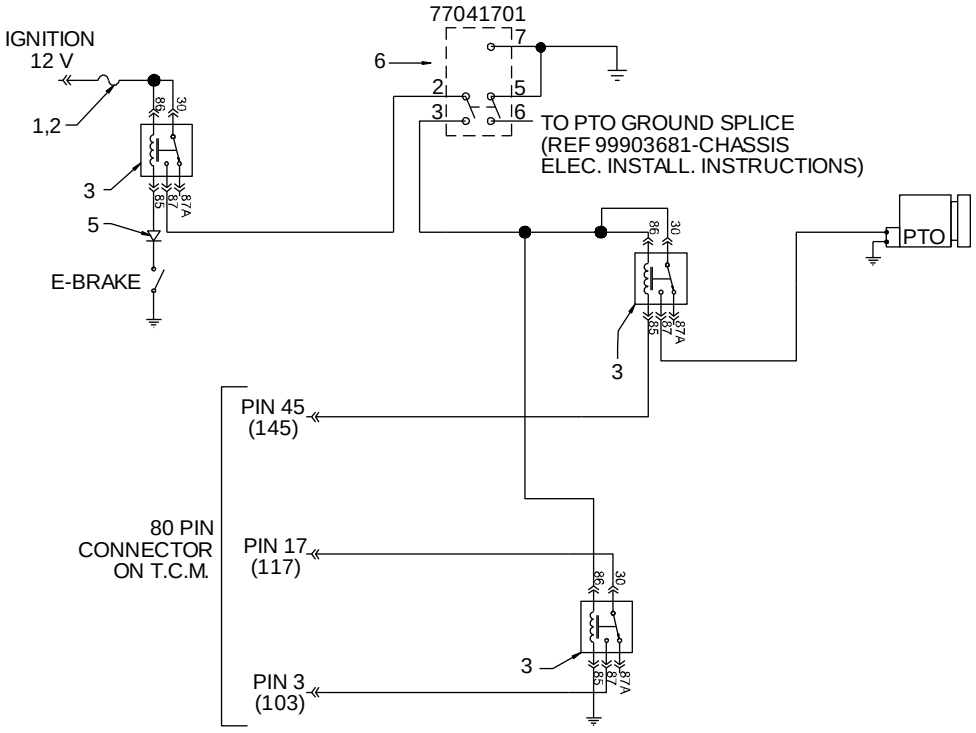
3 TCM for Sterling Actera is located under the cab. Use customer access Metripack connector located on the driver's side wheel well. Use cavity "F" for pin 43 and cavity "G" for pin 50. Use item #5 terminal to connect.

4 TCM for International 4300 and 4400 models is located under the cab. Use customer access Metripack connector located in the driver's side, upper wheel well. Use cavity "B" for wire 43 and cavity "C" for 50. Use item #5 terminal to connect.

5 2007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Wire 143 = Pin C; Wire 104 = Pin K.

ALLISON T1000/T2000 4th GEN DUAL PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77044556	DIODE - 2.2 AMP/ 274 V	3
4.	77041251	RELAY	3
5.	77441047	TERMINAL, MP 150 16-18GA MALE	2
6.	77041701	SWITCH-ROCKER	2
NEW 20061108			

Allison T3000/T4000 TCM with Single PTO (4th Generation) (2006-present) (99904085-3)



NOTE:

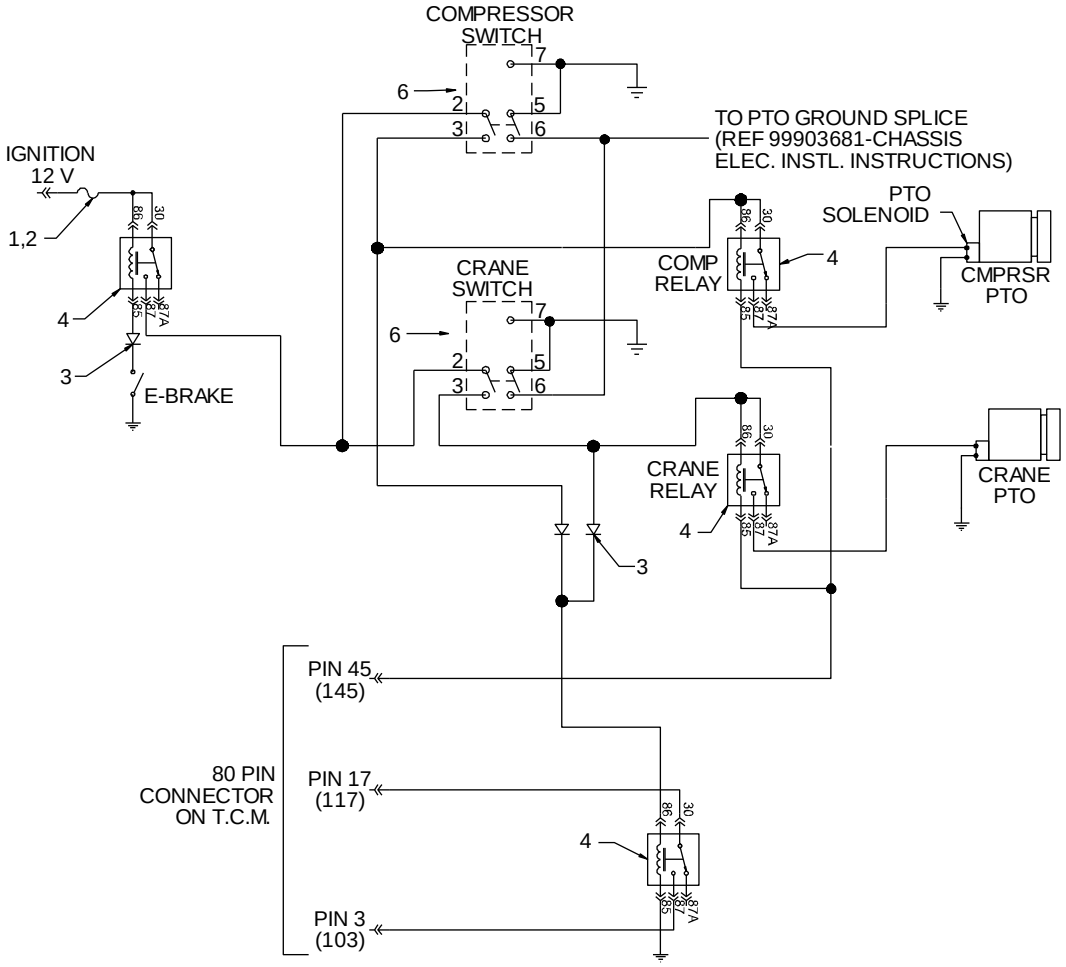
1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

3 2007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Pin 45 = Pin A; Pin 17 = Pin B; Pin 3 = Pin J

ALLISON T3000/T4000 4th GEN SINGLE PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77041251	RELAY	2
4.	77441047	TERMINAL MP 150 16-18GA	3
5.	77044556	DIODE - 2.2 AMP/ 274 V	1
6.	77041701	SWITCH-ROCKER	1
NEW 20061108			

Allison T3000/T4000 TCM with Dual PTO (4th Generation) (2006-present) (99904085-4)



NOTE:

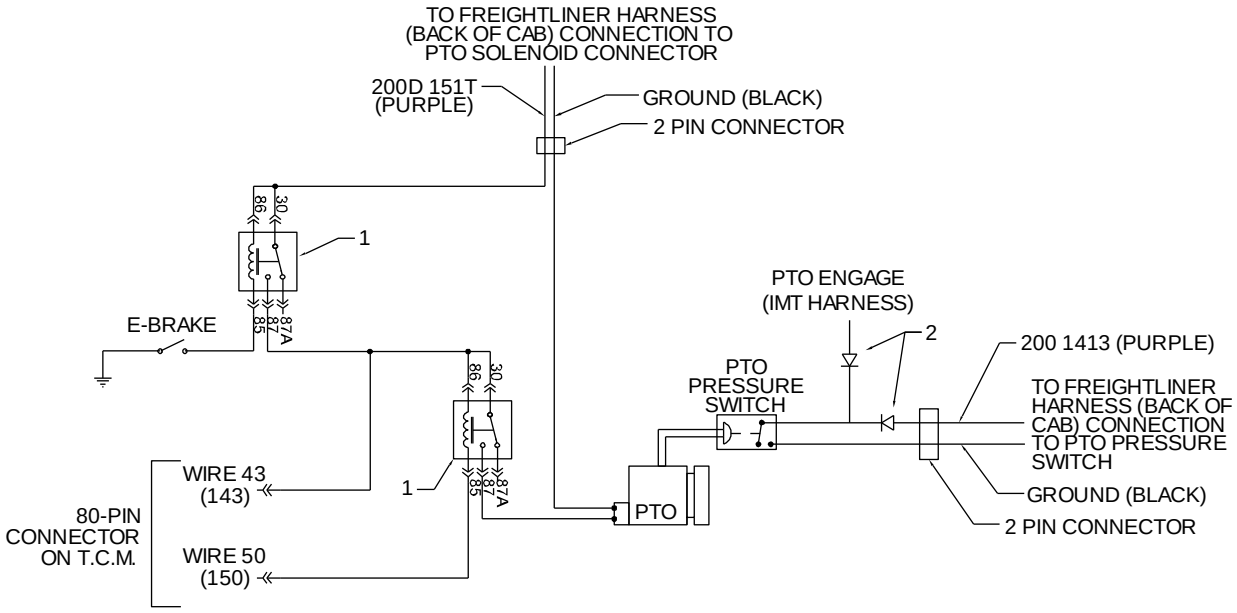
1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.2

3 007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Pin 45 = Pin A; Pin 17 = Pin B; Pin 3 = Pin J

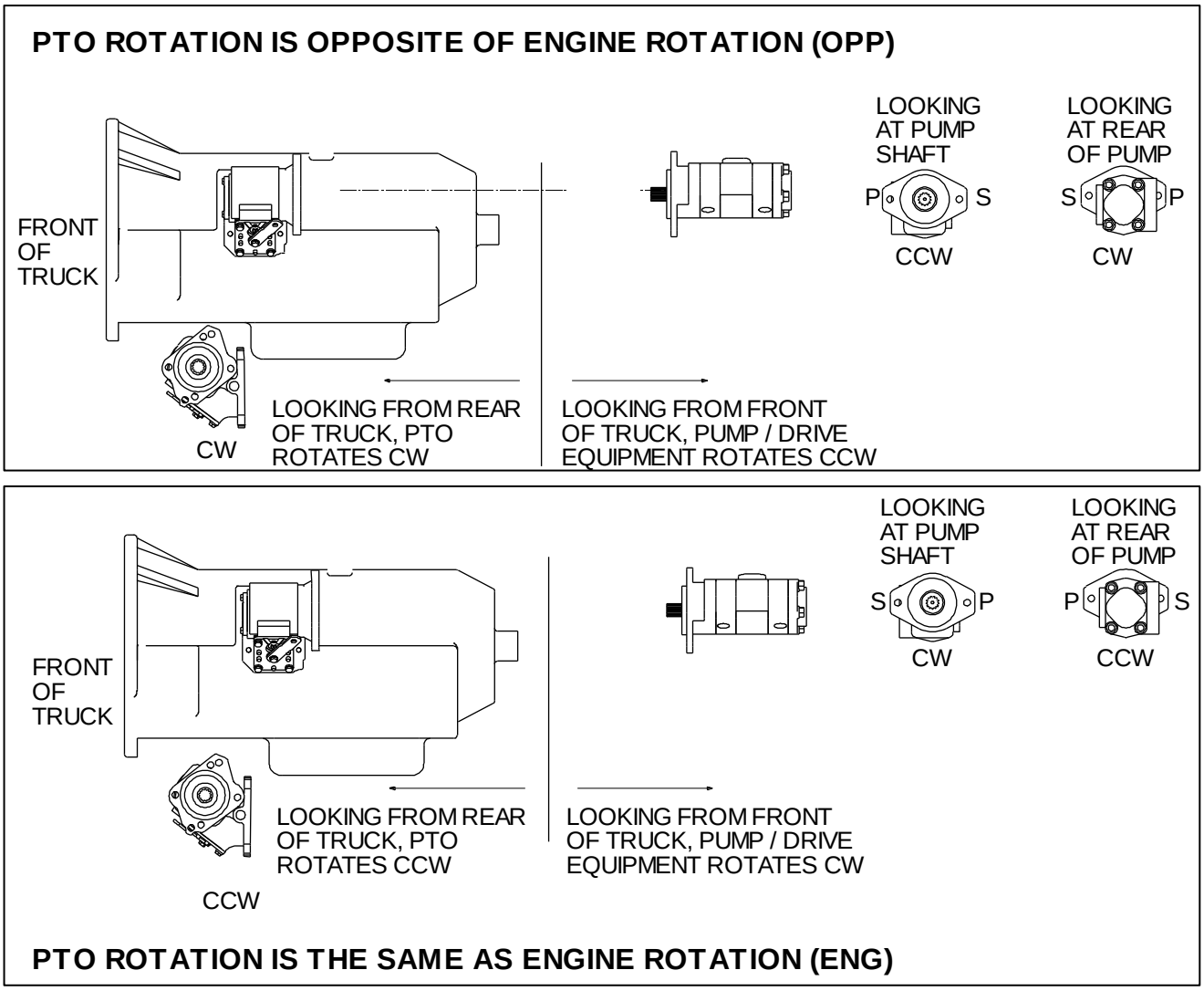
ALLISON T3000/T4000 4th GEN DUAL PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77044556	DIODE - 2.2 AMP/ 274 V	3
4.	77041251	RELAY	4
5.	77441047	TERMINAL, MP 150 16-18GA MALE	REF
6.	77041701	SWITCH-ROCKER	2
NEW 20061108			

Allison T1000/T2000 TCM Freightliner - Single PTO (4th Generation) (2006-present) (99904085-5)



ALLISON T1000/T2000 4th GEN FREIGHTLINER PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77041251	RELAY	2
2.	77044556	DIODE - 2.2 AMP/ 274 V	2
NEW 20061108			

PTO/Pump Rotation Guide (99904279)



NOTES:

1 The pump / driven equipment should always rotate in the opposite direction of the PTO.

2 A geared adapter will always change the rotation of the PTO.

CHAPTER 6

Compartment Options

In This Chapter

Compartment Layout (99905160)....75
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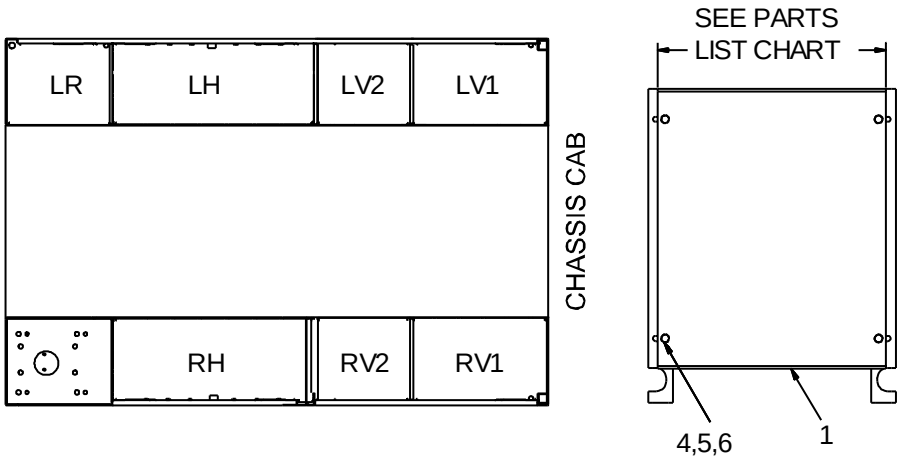
Compartment Layout (99905160)



Compartment Key

LR	Left Rear
LV1	Left Vertical 1
RH	Right Horizontal
RV1	Right Vertical 1

LH	Left Horizontal
LV2	Left Vertical 2
RV2	Right Vertical 1

NOTE: The Left and Right Vertical 2 compartments are only used on Dominator I 11-foot bodies.

99905160 COMPARTMENT LAYOUT PARTS				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	SEE CHART	SHELF		1
2.	SEE CHART	SHELF END		1
3.	SEE CHART	SHELF END		1
4.	72062109	NUT	.31-18 HEX NYLOC	4
5.	72060023	CAP SCREW	.31-18X .75 HH	4
6.	72063002	WASHER	.31 FLAT 18-8	4
REV B 20111202				

Parts List, Shelves (99905160)

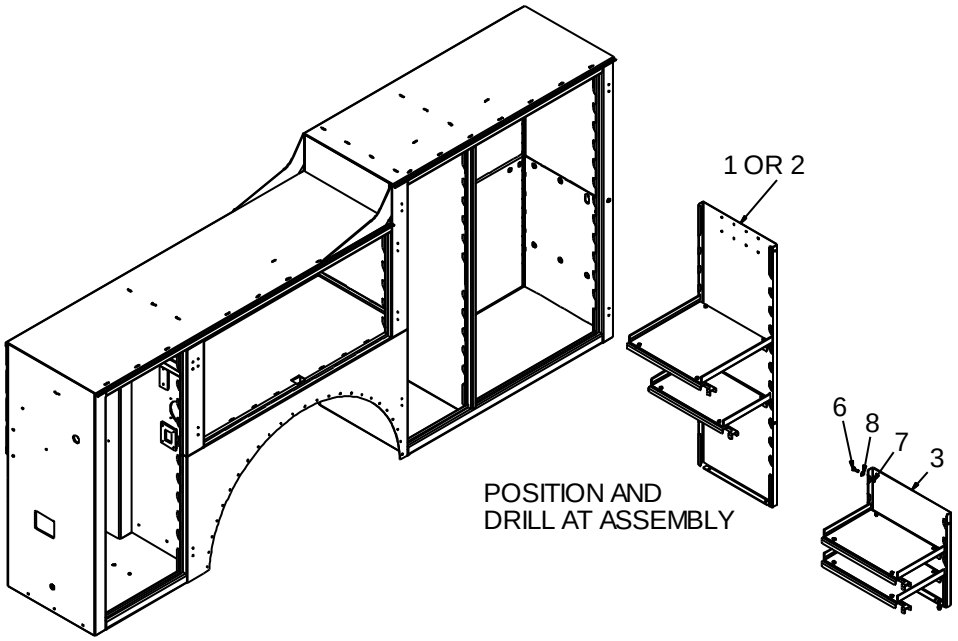
COMPARTMENT LOCATION	ITEM #3 SHELF END	ITEM #1 SHELF	ITEM #2 SHELF END	SHELF WIDTH	60136860 SHELF DIVIDER	SHELF KIT NUMBER
LEFT VERT 1	60136436	60136447	60136441	33.62		51723712
	60136436	60136450	60136441	33.62	6 INCLUDED	51723713
LEFT VERT 2-11' DOM1	60136439	60137424	60136441	17.5		51723988
	60136439	60137425	60136441	17.5	4 INCLUDED	51723989
LEFT HORIZ 11'	60136438	60136445	60136441	49.75		51723716
	60136438	60136448	60136441	49.75	10 INCLUDED	51723717
LEFT HORIZ 9'	60136438	60136855	60136441	47.13		51723726
	60136438	60136854	60136441	47.13	10 INCLUDED	51723727
LEFT REAR	60136438	60136444	60136440	25.75		51723718
	60136438	60136443	60136440	25.75	5 INCLUDED	51723719
RIGHT VERT 1	60136439	60136447	60136440	33.62		51723720
	60136439	60136450	60136440	33.62	6 INCLUDED	51723721
RIGHT VERT 2-11' DOM1	60136439	60137424	60136441	17.5		51723988
	60136439	60137425	60136441	17.5	4 INCLUDED	51723989
RIGHT HORIZ 11'	60136439	60136445	60136437	49.75		51723740
	60136439	60136448	60136437	49.75	10 INCLUDED	51723741
RIGHT HORIZ 9'	60136439	60136855	60136437	47.13		51723742
	60136439	60136854	60136437	47.13	10 INCLUDED	51723743

RIGHT HAND						
DIVIDER PANELS	ITEM #3 SHELF END	ITEM #1 SHELF	ITEM #2 SHELF END	SHELF WIDTH	SHELF DIVIDER	SHELF KIT #
20" DIVIDER PANEL 51723744	60136439	60136442	60136863	11.5	SHELVES INCLUDED	51723744
40" TALL DIVIDER PANEL 51720126	60136439	60136856	60136862	11.5		51723728
	60136439	60136857	60136862	11.5	60251213 (3)	51723729
	60136439	60136858	60136862	17.5		51723730
	60136439	60136859	60136862	17.5	60251213 (4)	51723731
56" TALL DIVIDER PANEL 51720127	60136439	60136856	60136862	11.5		51723728
	60136439	60136857	60136862	11.5	60251213 (3)	51723729
	60136439	60136858	60136862	17.5		51723730
	60136439	60136859	60136862	17.5	60251213 (4)	51723731

LEFT HAND						
DIVIDER PANELS	ITEM #3 SHELF END	ITEM #1 SHELF	ITEM #2 SHELF END	SHELF WIDTH	SHELF DIVIDER	SHELF KIT #
20" DIVIDER PANEL 51723744	60136921	60136442	60136863	11.5		51724702
40" TALL DIVIDER PANEL 51720126	60136921	60136856	60136862	11.5		51724698
	60136921	60136857	60136862	11.5	60251213 (3)	51724699
	60136921	60136858	60136862	17.5		51724700
	60136921	60136859	60136862	17.5	60251213 (4)	51724701
56" TALL DIVIDER PANEL	60136921	60136856	60136862	11.5		51724698

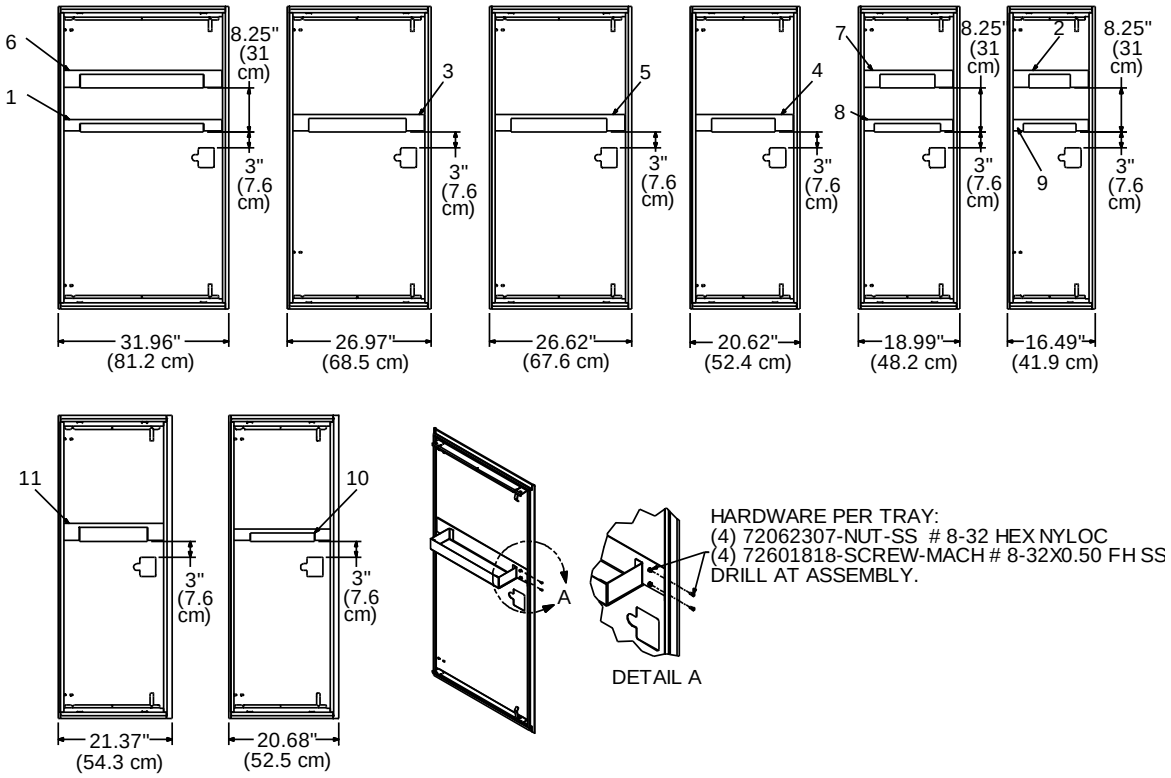
51720127	60136921	60136857	60136862	11.5	60251213 (3)	51724699
	60136921	60136858	60136862	17.5		51724700
	60136921	60136859	60136862	17.5	60251213 (4)	51724701

Installation Drawing, Shelves (99905160)



99905160 SHELF INSTALLATION PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	51720126	DIVIDER KIT, BOLT ON, RAISED SIDEPACKS	44" & 52" SIDEPACKS	1
2.	51720127	DIVIDER KIT, BOLT ON, STANDARD SIDEPACKS	60" SIDEPACKS	1
3.	51723744	BOLT-ON DIVIDER KIT	20" HIGH	1
4.	SEE CHART	SHELF KIT	1.50" H 11.5" W 18.5" DIVIDER PANEL	1
5.	SEE CHART	SHELF KIT	1.50" H 17.5" W 18.5" DIVIDER PANEL	1
6.	72601831	CAP SCREW	SS .31-18X 1.00 HH	AS REQ'D
7.	72062167	NUT	SS .31-18 HEX NYLOC	AS REQ'D
8.	72062314	WASHER-STAINLESS STEEL	BONDED PLTD .31	AS REQ'D
REV B 20111202				

Installation Drawing, Door Trays (99905166)

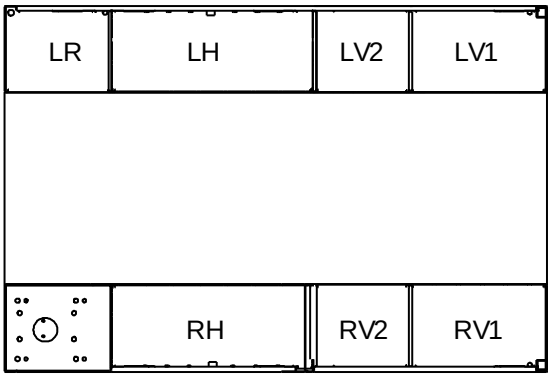


NOTE:

1 Position all tray applications 3.0" (7.6 cm) above latch hole opening. Space all double tray applications 8.25" (31 cm) apart.

99905166 PARTS LIST				
ITEM	PART #	DESCRIPTION		QUANTITY
1.	52723950	TRAY-TORCH DOM WITH LATCH	31.96"	REF
2.	52723956	TRAY-SPRAY CAN WITH DOOR	16.49"	REF
3.	52723952	TRAY-SPRAY CAN WITH DOOR	26.97"	REF
4.	52723954	TRAY-SPRAY CAN WITH DOOR	20.62"	REF
5.	52723953	TRAY-SPRAY CAN WITH DOOR	26.62"	REF
6.	52723951	TRAY-SPRAY CAN WITH DOOR	31.96"	REF
7.	52723955	TRAY-SPRAY CAN WITH DOOR	18.99"	REF
8.	52723957	TRAY-WELDMENT TORCH WITH LATCH	18.99"	REF
9.	52723958	TRAY-WELDMENT TORCH WITH LATCH	16.49"	REF
10.	52724000	TRAY-TORCH WITH LATCH	20.68"	REF
11.	52724001	TRAY-SPRAY CAN WITH DOOR	21.37"	REF
REV A 20110524				
NOTE: Not all trays are available on all models. Check the door widths on your model to determine appropriate options.				

Parts List, Drawer Units and Kits



Compartment Key

LR	Left Rear
LV2	Left Vertical 2
RH	Right Horizontal
RV1	Right Vertical 1

LH	Left Horizontal
LV1	Left Vertical 1
RV2	Right Vertical 2

NOTE: The Left and Right Vertical 2 compartments are only used on Dominator I 11' bodies.

The body configuration determines the rollout drawer sets which can be used in each body.

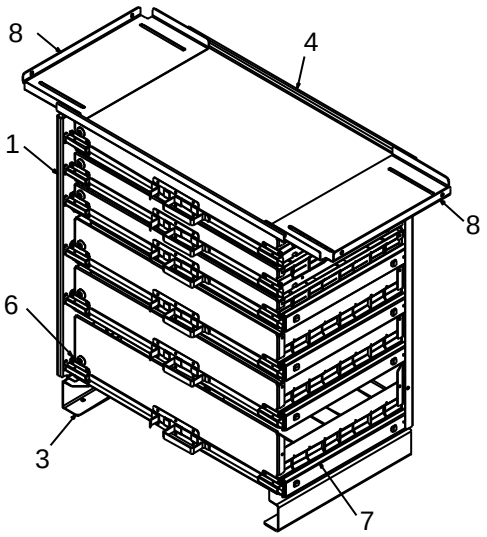
COMPARTMENT	BODY LENGTH	DRAWER SET WIDTH
LEFT & RIGHT VERTICAL 1	9', 11'	26" Wide
LEFT & RIGHT VERTICAL 2	11' ONLY	13" Wide
LEFT & RIGHT HORIZONTAL	9', 11'	39" Wide
LEFT REAR	9', 11'	13" Wide

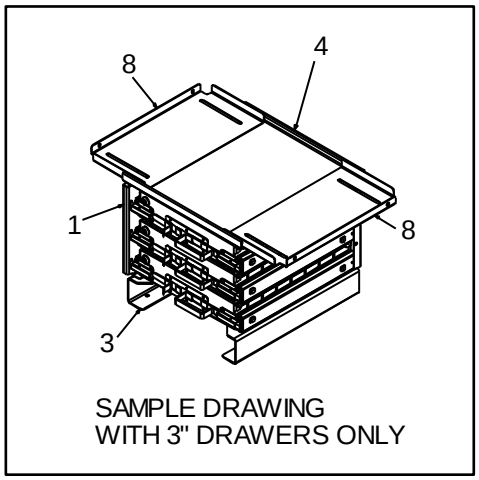
DRAWER SET WIDTH	COMPARTMENT APPLICATION	PART #	3" HIGH DRAWERS	5" HIGH DRAWERS	7" HIGH DRAWERS	DRAWER SET OVERALL HEIGHT
13" WIDE	LEFT & RIGHT VERTICAL 2 - 11' DOMINATOR I LEFT REAR	70733765	5			22"
		70733766		3		21"
		70733767	3	1		21"
		70733768	3			15"
		70733769		2	1	23"
		70733780	5	2	1	41"
		70733784	5	3		39"
		70733786	3	2	1	34"
		70733787	3	2	1	40"
		70733788	8	1		39"
		70733789	6	1		31"
		70733791	3	3		32"
		70733793	3	4		38"
26" WIDE	LEFT & RIGHT VERTICAL 1	70733774	5			22"
		70733775		3		21"
		70733776	3	1		21"
		70733777	3			15"
		70733778		2	1	23"
		70733779	5	2	1	41"
		70733781	3	2	1	34"

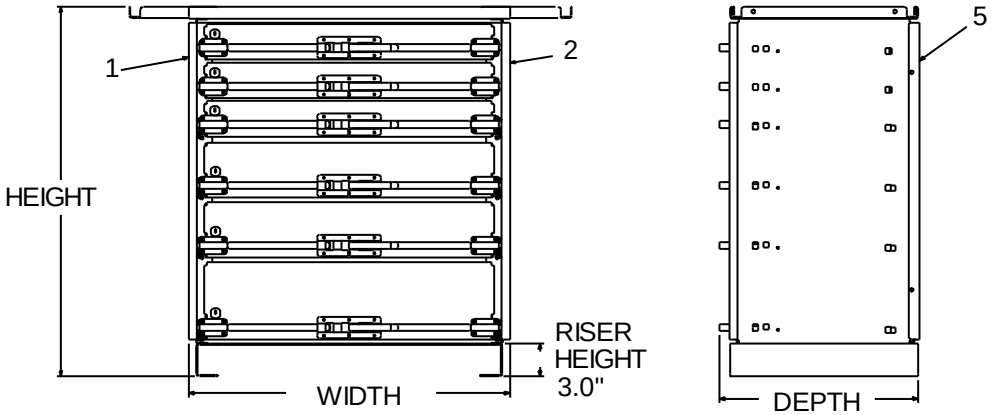
DRAWER SET WIDTH	COMPARTMENT APPLICATION	PART #	3" HIGH DRAWERS	5" HIGH DRAWERS	7" HIGH DRAWERS	DRAWER SET OVERALL HEIGHT
		70733782	8	1		39"
		70733783		5	1	40"
		70733785	5	3		39"
		70733790	6	1		31"
		70733792	3	3		32"
		70733794	3	4		38"
39" WIDE	LEFT & RIGHT HORIZONTAL COMPARTMENTS	70733770	5			22"
		70733771		3		21"
		70733772	3	1		21"
		70733773		2	1	23"

Dominator I Drawer Set Reference Drawing

SAMPLE DRAWER SET
DRAWING WITH 3",
5", AND 7" HIGH DRAWERS.







NOTE:

1 Complete drawer set part numbers are included in Parts List, Drawer Units and Kits.

2 The quantity of items 1- 5, panels, risers, and shelves, is 1 per drawer set.

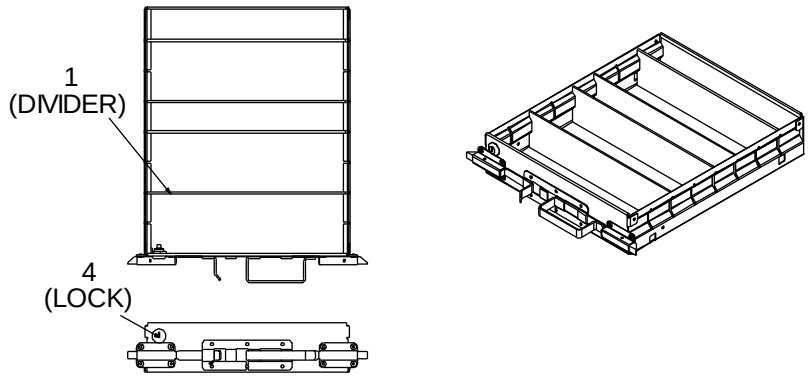
3 The quantities of items 6 - 11, slides and drawers, are based on the number of drawers in the complete kits.

ITEM	DESCRIPTION	13" SET	26" SET	39" SET
1.	PANEL-SIDE, LH	REF	REF	REF
2.	PANEL-SIDE, RH	REF	REF	REF
3.	RISER	60130555	60130556	60130557
4.	SHELF	60130552	60130553	60130554
5.	PANEL-DRAWER BACK	REF	REF	REF

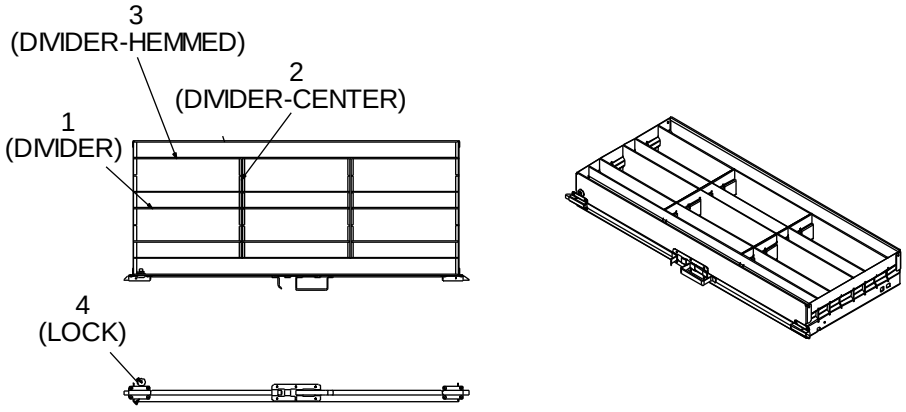
ITEM	DESCRIPTION	13" SET	26" SET	39" SET
6.	DRAWER SLIDE W-TABS LH	70734171	70734171	70734171
7.	DRAWER SLIDE W-TABS RH	70734173	70734173	70734173
8.	SHELF-ADJUSTABLE END	60130659	60130659	60130660
9.	3" DRAWER	70733800	70733798	70733804
10.	5" DRAWER	70733802	70733799	70733805
11.	7" DRAWER	70733803	70733801	70733806

Drawer Components

SAMPLE DRAWING - DRAWER WITH 4 DIVIDERS



SAMPLE DRAWING - DRAWER WITH CENTER AND SIDE DIVIDERS



NOTE:

1 All drawers are painted.

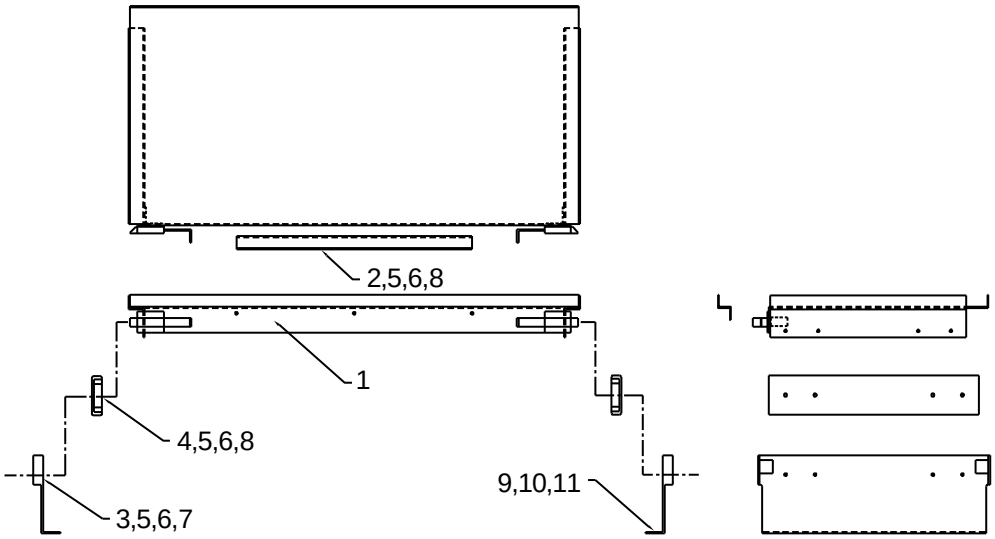
2 Each IMT drawer comes with the standard lock 70734188. Optional replacement drawer lock sets are available for IMT drawers. Replacement lock sets 70734420 and 70734421 can be ordered from IMT customer service.

DRAWER PART #	DRAWER WITH DIVIDER DIMENSIONS	DRAWER COMPONENT PART NUMBERS (QUANTITY IN PARENTHESES)		
		ITEM 1-DIVIDER	ITEM 2- DIVIDER, CENTER	ITEM 3- DIVIDER, HEMMED
70733800	3" H X 13" W	60251081 (4)		
70733802	5" H X 13" W	60251233 (4)		
70733803	7" H X 13" W	60251233 (4)		
70733798	3" H X 26" W	60251081 (6)	60130560 (1)	60130558 (2)
70733799	5" H X 26" W	60251233 (6)	60130561 (1)	60130559 (2)
70733801	7" H X 26" W	60251233 (6)	60130561 (1)	60130559 (2)
70733804	3" H X 39" W	60251081 (9)	60130560 (2)	60130571 (2)
70733805	5" H X 39" W	60251233 (9)	60130561 (2)	60130572 (2)
70733806	7" H X 39" W	60251233 (9)	60130561 (2)	60130572 (2)

Compartment Options

Part #	Dimensions / Description	Compartments Available
Roll-out Tool Box Tray		
51711548	Tray dimensions – 32"W x 18.5"D	LV1, LV2, RV1, RV2
Oxygen / Acetylene Tank Bracket		
51720021	Tank bracket – Oxy/Acet 3 tanks with hook	LV1, RV1
51719752	Tank bracket – Oxy/Acet 2 tanks with hook (Mounted on front wall in vented compartment)	LV1, RV1
Pull-out Drawer Sets		
51704193	4 drawer set with base 18"D x 8.12"W x 19"H	LV1, LV2, RV1, RV2, LH, RH, LR
51704194	5 drawer set with base 18"D x 8.12"W x 23"H	LV1, LV2, RV1, RV2, LR
51709946	16 bolt drawer set w/base 18"D x 16.25"W x 35.5"H	LV1, RV1, LR
51704282	18 bolt drawer set w/base 18"D x 16.25"W x 39.5"H	LV1, RV1, LR
51712650	2 drawer set with base 18"D x 8.12"W x 11"H	LV1, LV2, RV1, RV2, LH, RH, LR
Slide-out Parts Book Tray		
51713240	Slide out parts / book tray	LH, RH
Bookshelf		
51710102	Bookshelf dimensions 8"H x 45"L x 12"D	RH, LH
51707629	Bookshelf dimensions 8"H x 26"L x 12"D	RH, LH

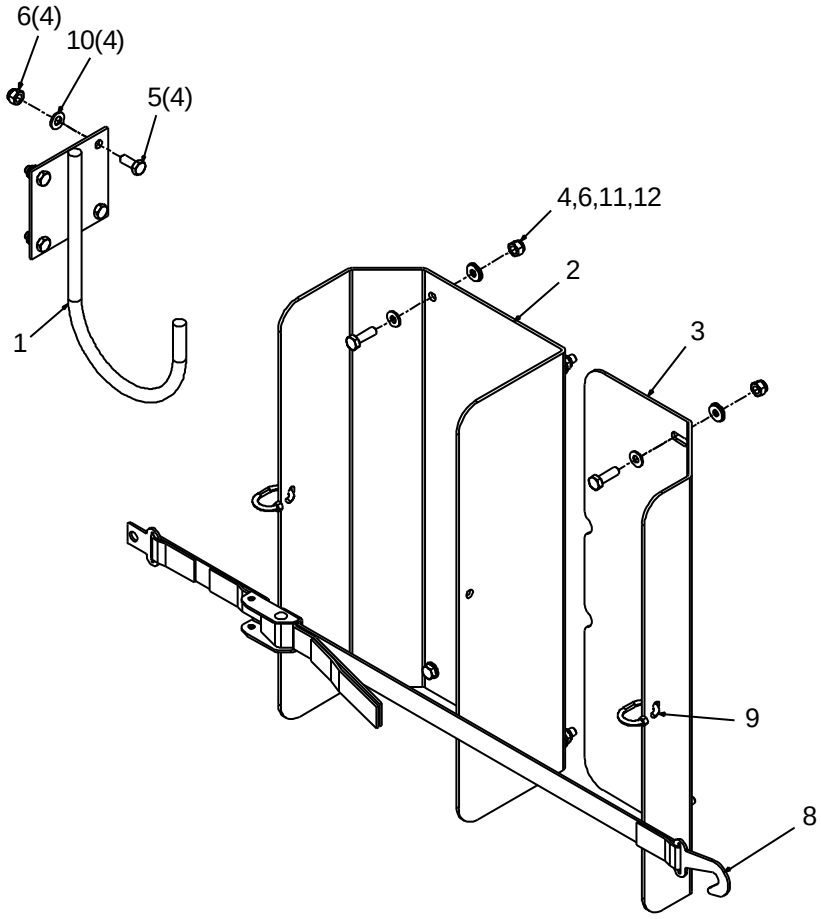
Tool Box Tray (51711548)



51711548 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52711606	TRAY 16-3/4 X 32	1
2.	60117163	MTG BRACKET 32"	1
3.	60114300	MTG BRACKET	2
4.	70731440	DRAWER SLIDE	2
5.	72062106	NUT #10-24 LOCK	19
6.	72063123	WASHER #10 WRT	19
7.	72601284	MACH SCR #10-24 X 5/8 FLHD	8
8.	72601283	MACH SCR #10-24 X 5/8 RDHD	11
9.	72601329	CAP SCR 5/16-18X3/4 BTNHD	4
10.	72063002	WASHER 5/16 WRT	4
11.	72062109	NUT 5/16-18 LOCK	4

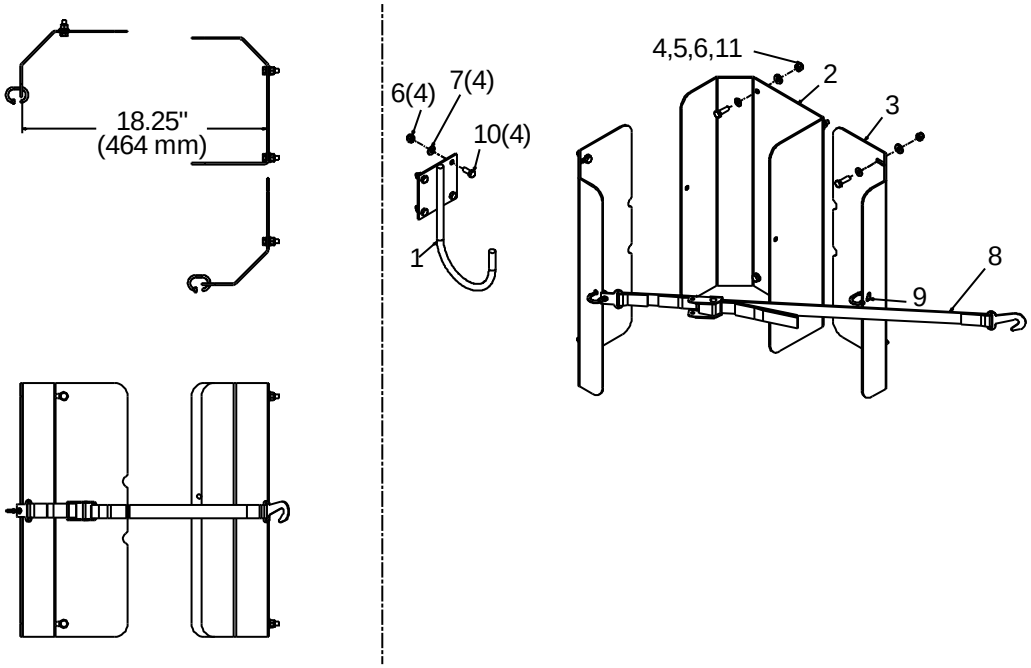
REV. A 20041230

Tank Bracket, 2-Bottle (51719752)



51719752 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52704224	HOOK-WLDMT (J) (BOLT IN)	1
2.	60129198	BRACKET ACET BOTTLE	1
3.	60129197	BRACKET OXY BOTTLE	1
4.	72063001	WASHER .25 FLAT (WAS 12)	6
5.	72060023	CAP SCR .31-18X .75 HH GR5 Z (WAS 6)	4
6.	72062109	NUT .31-18 HEX NYLOCK	10
8.	70733516	STRAP-36" BOTTLE HOLDER W/ SNAP HOOK	1
9.	70058959	CHAIN CONNECTOR-THREADED .19	2
10.	72063002	WASHER .31 FLAT	4
11.	72060025	CAP SCR .31-18 x 1.00 HHGR5Z	6
12.	76392598	WASHER-BONDED PLATED .31	6
REV C 20110920			

Tank Bracket, 3-Bottle (51720021)



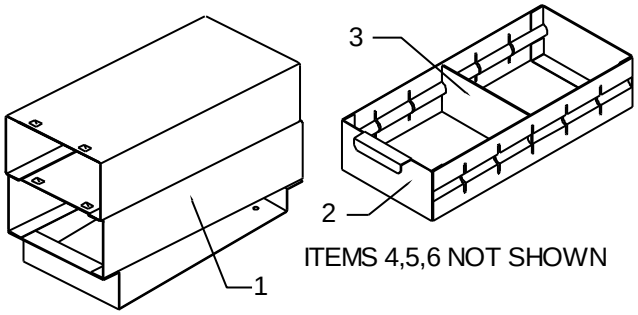
51720021 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52704224	HOOK-WLDMT (J) (BOLT IN)	1
2.	60129198	BRACKET OXY/ACET BOTTLE	1
3.	60129197	BRACKET OXY/ACET BOTTLE	2
4.	72063001	WASHER .25 FLAT (WAS 10)	8
5.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z (WAS 6)	8
6.	72062109	NUT .31-18 HEX NYLOCK (WAS 10)	12
7.	72063002	WASHER .31 FLAT	4
8.	70733516	STRAP-36" BOTTLE HOLDER W/ SNAP HOOK	1
9.	70058959	CHAIN CONNECTOR-THREADED .19	2
10.	72060023	CAP SCR .31-18X .75 HH GR5 Z	4
11.	76392598	WASHER-BONDED PLATED .31	8
REV C 20110920			

Pull-Out Bin Sets

Pull-out bins are available for IMT Dominators in sets of 2, 4, 5, 16, and 18 units.

BIN SET PARTS LISTS			# BINS / QUANTITY				
ITEM	PART #	DESCRIPTION	2-BINS (51712650)	4-BINS (51704193)	5-BINS (51704194)	16-BINS (51709946)	18-BINS (51704282)
1.	52712651	CABINET (2-BIN SET)	1				
	52710227	CABINET (4-BIN SET)		1			
	52710226	CABINET (5-BIN SET)			1		
	52710235	CABINET (16-BIN SET)				1	
	52710234	CABINET (18-BIN SET)					1
2.	52710274	BIN	2	4	5	16	18
3.	60114979	DIVIDER 3.38X7.62	8	12	15	48	54
4.	72060002	CAP SCR 1/4-20X3/4 HHGR5	4	4	4	8	8
5.	72062104	NUT 1/4-20 LOCK	4	4	4	8	8
6.	72063001	WASHER 1/4 WRT	8	8	8	16	16

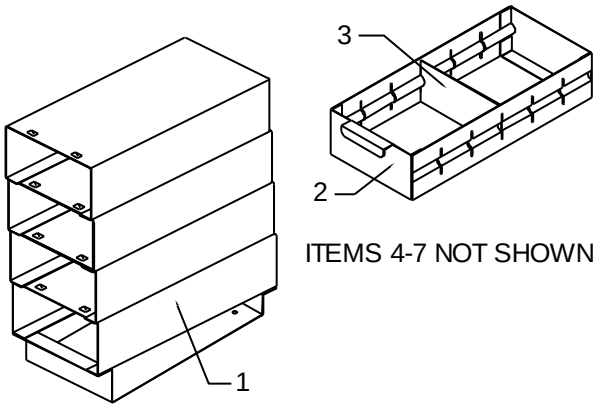
2-Bin Set with Base (51712650)



ITEMS 4,5,6 NOT SHOWN

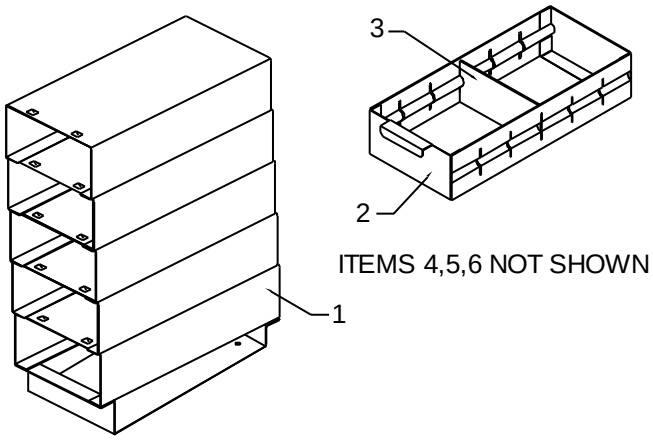
17" D x 8.13" W x 10.75" H

4-Bin Set with Base (51704193)



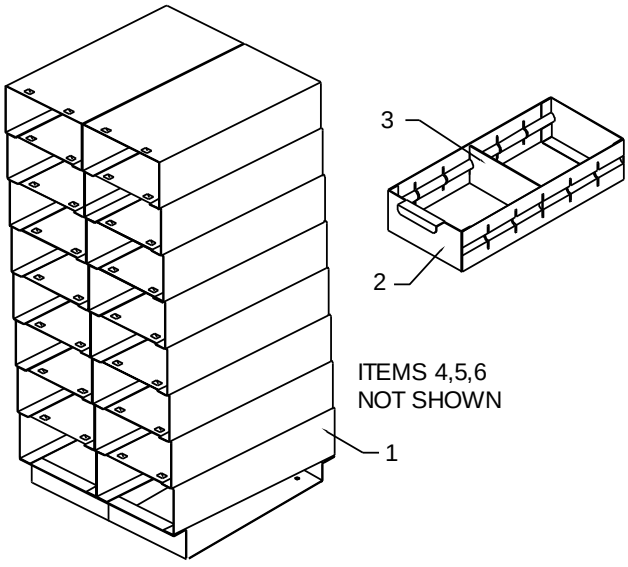
17" D x 8.13" W x 19" H

5-Bin Set with Base (51704194)



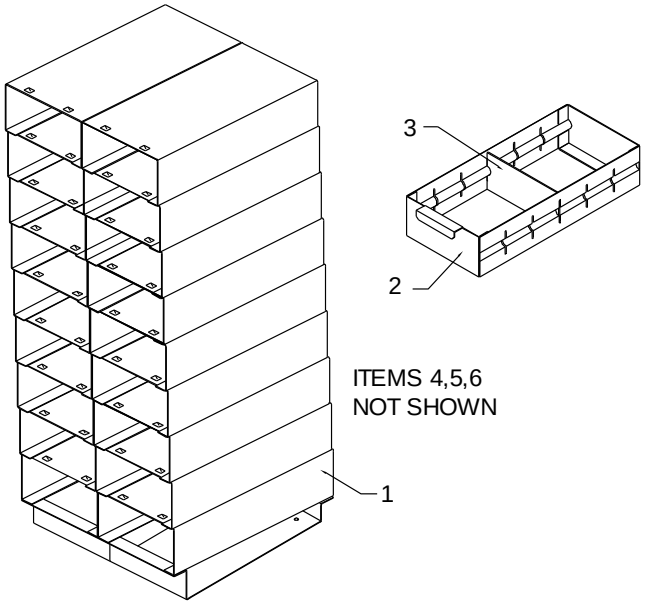
17" D x 8.13" W x 23" H

16-Bin Set with Base (51709946)



17" D x 16.26" W x 35" H

18-Bin Set with Base (51704282)



17" D x 16.26" W x 39" H

CHAPTER 7

Tailgate & Bumper Options

In This Chapter

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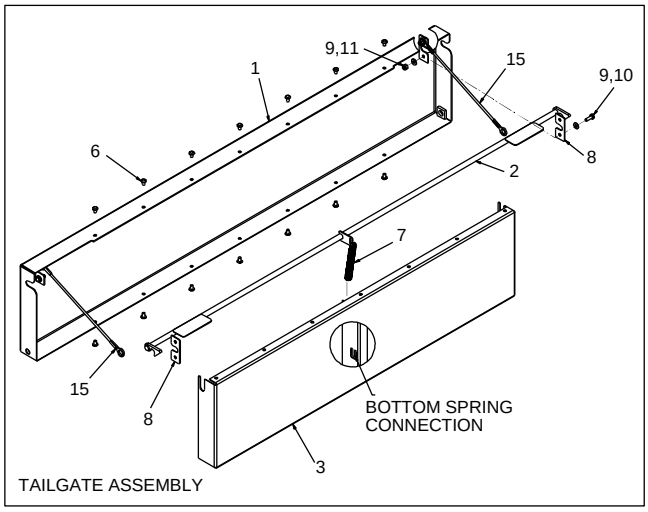
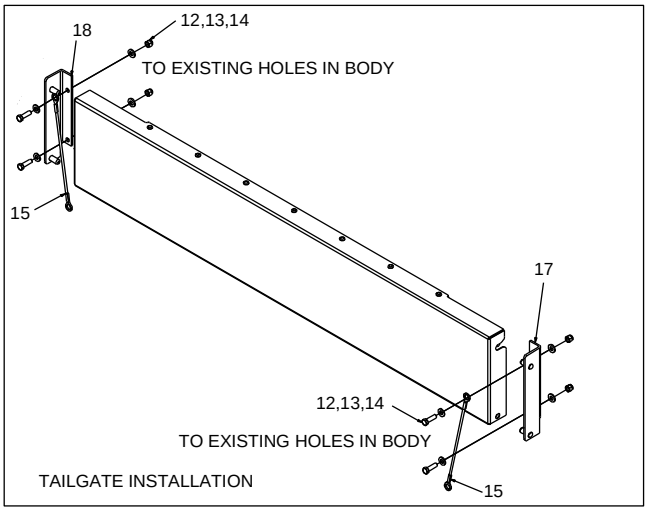
Tailgate - Workbench (51720357)..... 94
Bumper Hitch & Workbench Options..... 95

Tailgate Assembly (51718801)





INSTALLATION NOTES:

1 INSTALL ROD WELDMENT #2 INTO PANEL #3 SLOTS.

2 CONNECT SPRING #7 BETWEEN PANEL #3 BRACKET AND ROD #2 BRACKET.

3 JOIN PANEL #1 OVER PANEL #3.

4 CONNECT PANEL #1 TO PANEL #3 WITH RIVET #6.

5 INSERT LOWER MOUNTING PIN OF MOUNTING BRACKETS #17 AND #18 INTO LOWER HOLE OF ASSEMBLED TAILGATE.

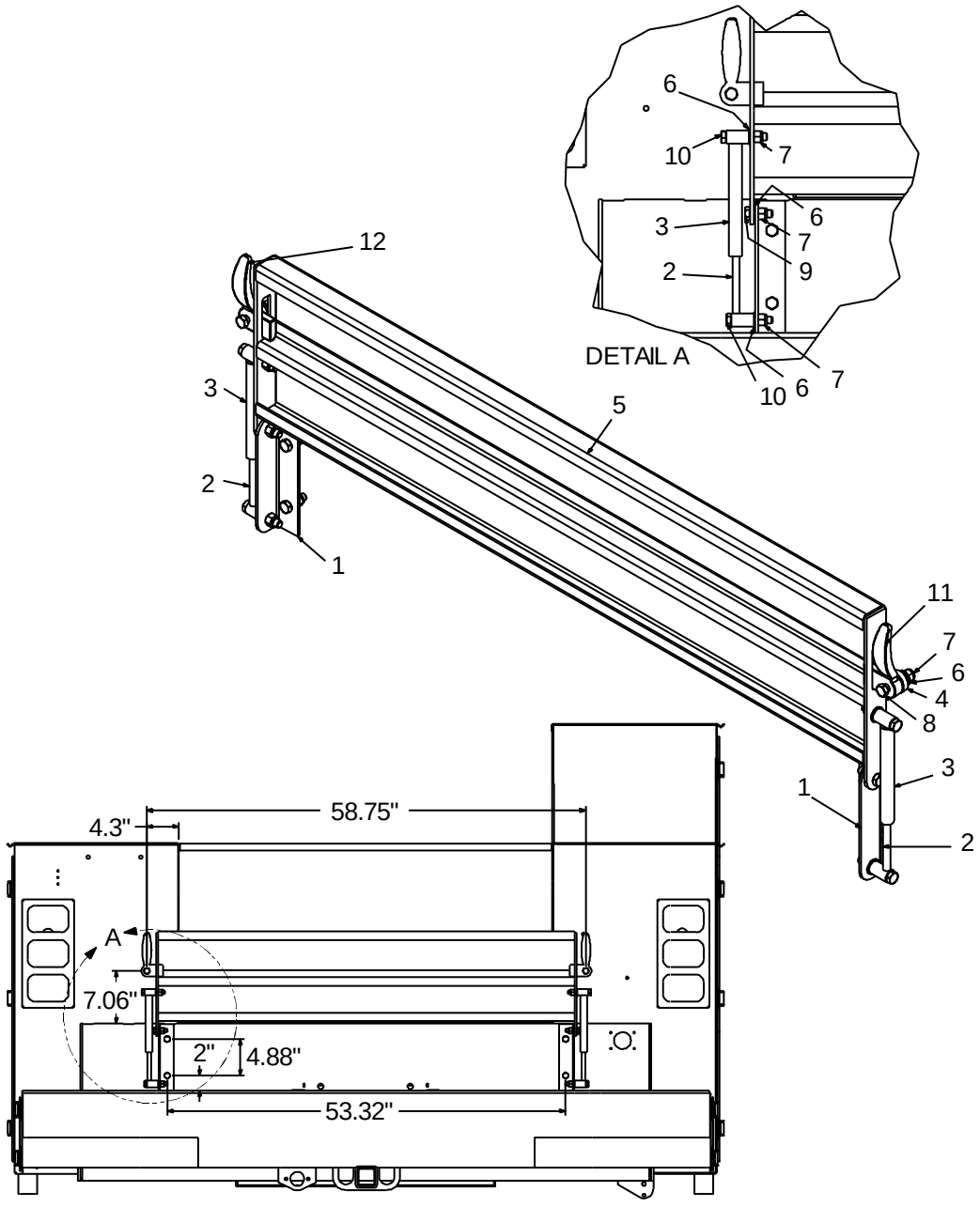
6 BOLT ASSEMBLY TO REAR OF BODY.

7 CABLE #15 WILL SHARE THE TOP MOUNTING HOLE IN BRACKETS #17 AND #18. ATTACH THE OTHER END OF CABLE TO THE TOP END OF THE TAILGATE TO HOLD THE TAILGATE PARALLEL TO THE CARGO FLOOR.

51718801 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718802	TAILGATE WELDMENT REAR COVER	1
2.	52718803	TAILGATE WELDMENT LATCH ROD	1
3.	52718804	TAILGATE WELDMENT FRONT COVER	1
6.	72661226	RIVET-ALUMINUM .257 DIA X .38 GRIP	14
7.	71411138	SPRING-COMPRESSION .50 X 3.50 X 14GA	1
8.	60126539	BRACKET, TAILGATE REAR COVER	2
9.	72063001	WASHER .25 FLAT (WAS 72063166)	8
10.	72060002	CAP SCREW-.25-20X .75 HH GR5Z (WAS 72601827)	4
11.	72062104	NUT .25-20 HEX NYLOC (WAS 72062194)	4
12.	72063003	WASHER .38 FLAT (WAS SS)	8
13.	72060047	CAP SCREW .38-16X 1.25 HHGR5Z (WAS 72601835)	4
14.	72062103	NUT .38-16 HEX NYLOC (WAS 72062197)	4

51718801 PARTS LIST			
15.	72661600	CABLE, PLASTIC COATED	2
17.	52719638	TAILGATE POST WELDMENT, RH	1
18.	52719639	TAILGATE POST WELDMENT, LH	1
REV. F 2007			

Tailgate - Workbench (51720357)



NOTES:

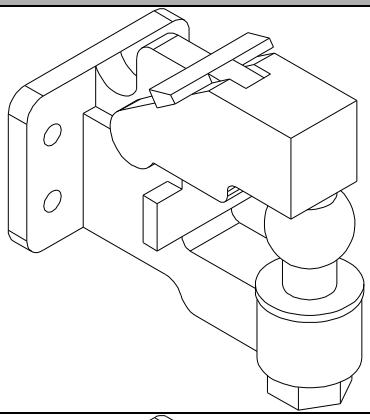
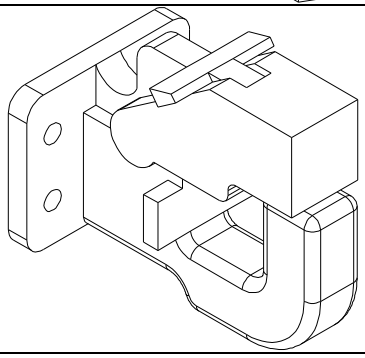
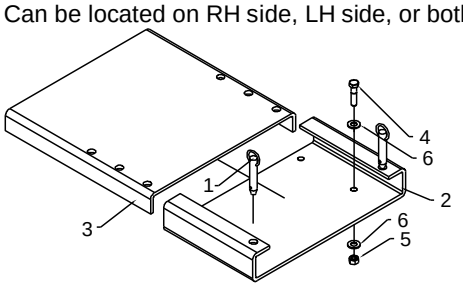
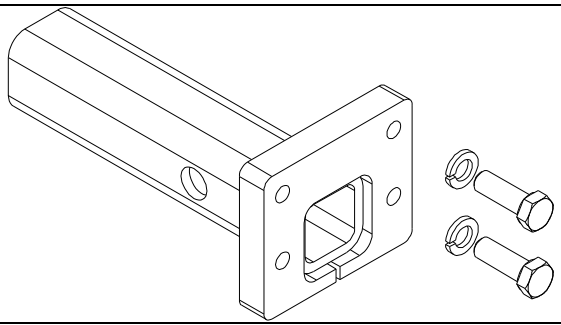
1 PLUG STANDARD UPPER HOLE FOR GRAB HANDLE WITH PLUG # 70395476 (QTY 2).

2 GRAB HANDLE WILL BE ROTATED TO BE STRAIGHT UP AND DOWN. DRILL NEW UPPER HOLE FOR GRAB HANDLE.

3 PLUG HOLES FOR STANDARD SLAM TAILGATE WITH PLUG # 70396925 (QTY 4).

51720357 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60130068	MTG ANGLE-TAILGATE	2
2.	52720359	SUPPORT ROD-WORKBENCH	2
3.	52720358	SUPPORT TUBE-WORKBENCH	2
4.	60030243	SPACER-POL .52X 1.50X .50	2
5.	52720360	TAILGATE-WORKBENCH-WLDMT 12inH	1
6.	72063005	WASHER .50 FLAT	12
7.	72062080	NUT .50-13 HEX NYLOCK	12
8.	72060096	CAP SCR .50-13X 2.50 HH GR5 Z	2
9.	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	6
10.	72060986	CAP SCR .50-13X 2.75 HH GR5 Z	4
11.	72066368	LATCH-END GATE LEFT HAND	1
12.	72066369	LATCH-END GATE RIGHT HAND	1
13.	99903747	BODY WELD DRAWING	REF
NEW 20060908			

Bumper Hitch & Workbench Options

Dominator I/DSC20 Bumper Hitch & Workbench Options		
PART NUMBER	**DESCRIPTION**	**NOTES**
51709516	Pintle ball combination with 2" removable ball for hitch receiver mounting	
51709517	Hitch for hitch receiver mounting	
51710172	Vise mounting bracket	Can be located on RH side, LH side, or both with quantity of 2  Note: See drawing 99903161 for installation instructions.
70733332	Combination vise, 5"	Can be located on RH side, LH side, or both with quantity of 2
60117003	Vise plate, weld-on 12" x 12" x 1/2"	Can be located on RH side, LH side, or both with quantity of 2
51720004	Pintle hitch mount	

CHAPTER 8

Air System Options

In This Chapter

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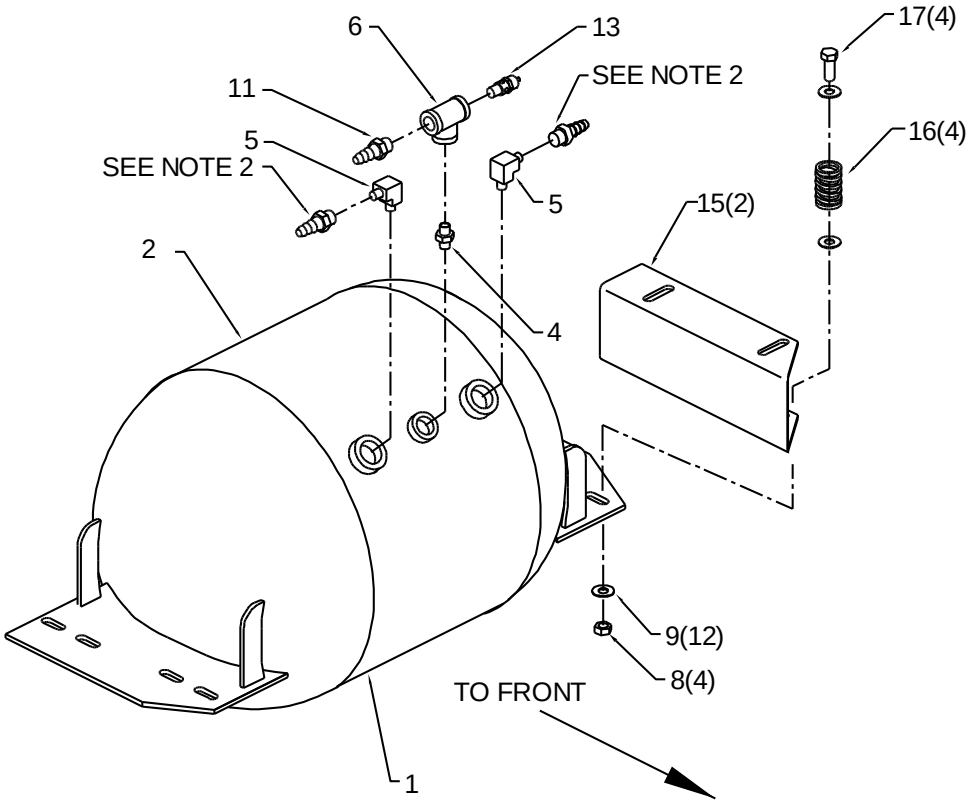
Air Tank Options

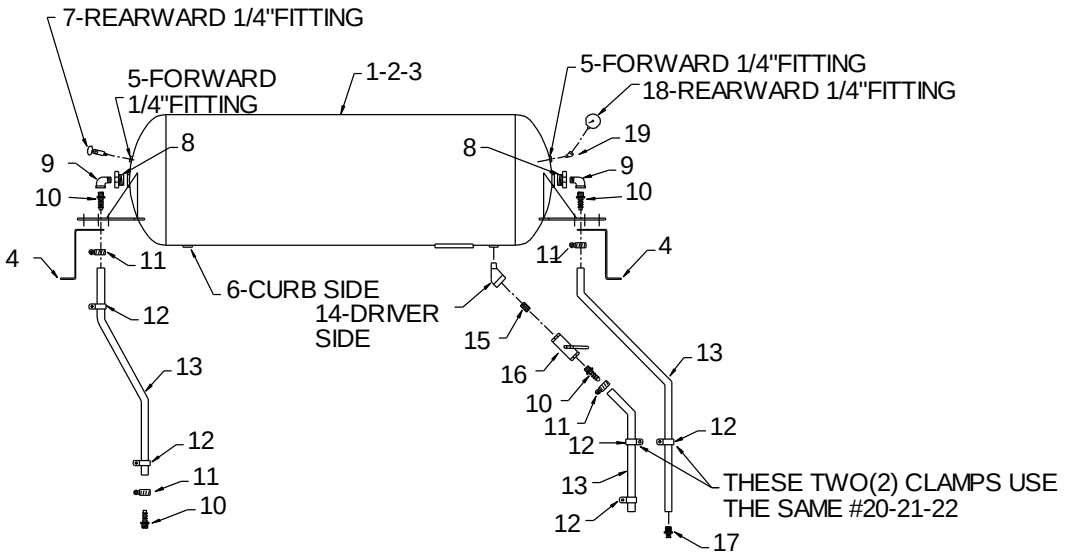
PART #	DESCRIPTION	LOCATION
51706697	Air Tank Kit, 22.5 Gal	Mount between the frame for all units.
51707363	Air Tank Kit, 2 - 15 Gal (30 Gal Total)	Mount between the frame at the rear of the body.
51709804	Air Tank Kit, 22 Gal	Mount on one side parallel to driveshaft.
51709693	Air Tank Kits, 2- 15 Gal Tanks	Mount one on each side of frame.
51708336	Air Tank Kit, 35 Gal	Mount on top of street side compartments.
51708369	Air Tank Kit, 58 Gal	Mount on top of street side compartments.

Air Tank Kit, 22.5 Gallon (51706697)



51706697 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51709358	DRAIN ASM (INCL:1)	1
2.	70731788	AIR TANK 22-1/2 GALLON	1
4.	72053517	ADAPTER 1/4MPT 1/4MPT HEX	1
5.	72053556	STREET ELBOW 3/4NPT 90°	2
6.	72053610	TEE 1/4	1
7.	72060093	CAP SCR 1/2-13X1-1/2 HHGR5 (WAS 72060092)	4
8.	72062080	NUT 1/2-13 LOCK	4
9.	72063005	WASHER 1/2 WRT	12
10.	72531836	REDUCER BUSHING 1-1/4X3/4NPT	2
11.	72532552	HOSE FTG TYPE O 1/4 1/4	1
13.	73054032	SAFETY VALVE 1/4 200PSI	1
14.	71393886	DECAL-DANGER EXPLODING TANK	1
15.	60113718	BRACKET	2
16.	70144807	SPRING	4
17.	72060920	CAP SCR 1/2-13X3-1/4 HHGR5	4
REV. J 20060329			

Air Tank Kit, 35 Gallon (51708336)



NOTES:

1 ITEMS 23-27 ARE USED TO SECURE TANK (#1) TO BRACKET (#4), AND BRACKET TO BODY.

2 ITEMS 20-22 ARE USED TO SECURE CLAMP (#12) TO BODY.

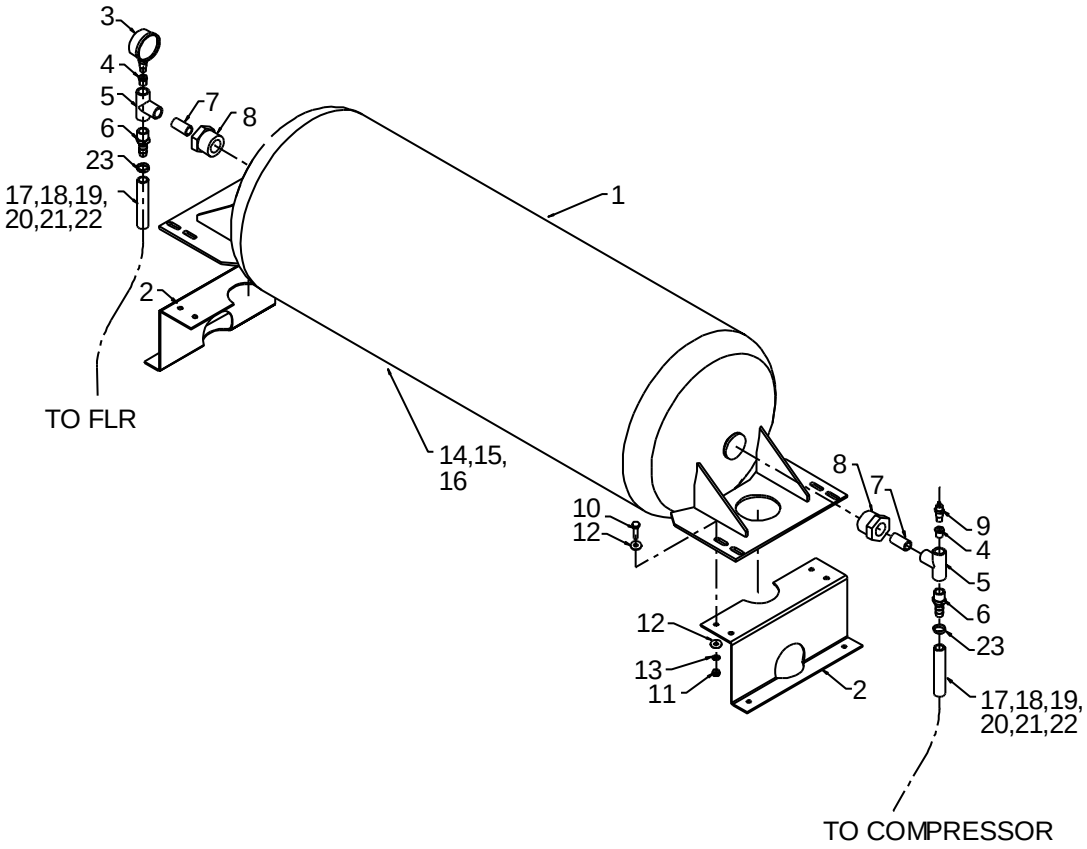
3 ITEM 28 AND ONE OF ITEM 9 MAY NOT BE REQUIRED, OR MAY REPLACE ITEMS 14 & 15.

51708336 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70073063	TANK-AIR 35 GAL 14.00 X 57.00	1
2.	70391601	DECAL-AIR TANK DRAIN	1
3.	71393886	DECAL-DANGER EXPLODING TANK	1
4.	60112258	BRACKET-AIR TANK 58 GAL MECH	2
5.	72053245	PLUG-PIPE SQ HD BLK .25	2
6.	72053405	PLUG-PIPE SOC HD GLV .75	1
7.	73054032	VALVE-SAFETY .25 200 PSI	1
8.	72053577	REDUCER BUSH-BLK 1.50- .75	2
9.	72053285	ELBOW-STREET BLK .75 X 90 DEG	3
10.	72053458	NIPPLE-BARB BRS .75 MPT .75	4
11.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	5
12.	72066582	CLAMP-UMP20 S464-G20	5
13.	89392349	HOSE-GP .75 X #300 WP (GRAY)	31'
14.	72053173	ELBOW-STREET BLK .75 X 45°	1
15.	72053141	NIPPLE-PIPE BLK .75 X CLOSE	1
16.	73054230	VALVE-BALL .75	1

51708336 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
17.	72532832	HOSE FTG-TYPE O .75 .75 STL	1
18.	70048015	GAUGE-PRESSURE AIR 300#	1
19.	72053170	ELBOW-STREET BLK .25 X 45°	1
20.	72060004	CAP SCR .25-20 X 1.00 HH GR5 ZINC	4
21.	72063001	WASHER .25 W FLAT ANSI B27.2Z	8
22.	72062104	NUT .25-20 HEX NYLOC ZINC	4
23.	72060047	CAP SCR .38-16 X 1.25 HH GR5 ZINC	8
24.	72063003	WASHER .38 W FLAT ANSI B27.2Z	20
25.	72062103	NUT .38-16 HEX NYLOC ZINC	12
26.	72060046	CAP SCR .38-16 X 1.00 HH GRD5 ZINC	4
27.	76392821	WASHER-BONDED PLTD .38	4
28.	72053152	NIPPLE-PIPE BLK .75 X 5.00	1
REV. C 20080613			

REV. B 20051129

Air Tank Kit, 58 Gallon (51708369)



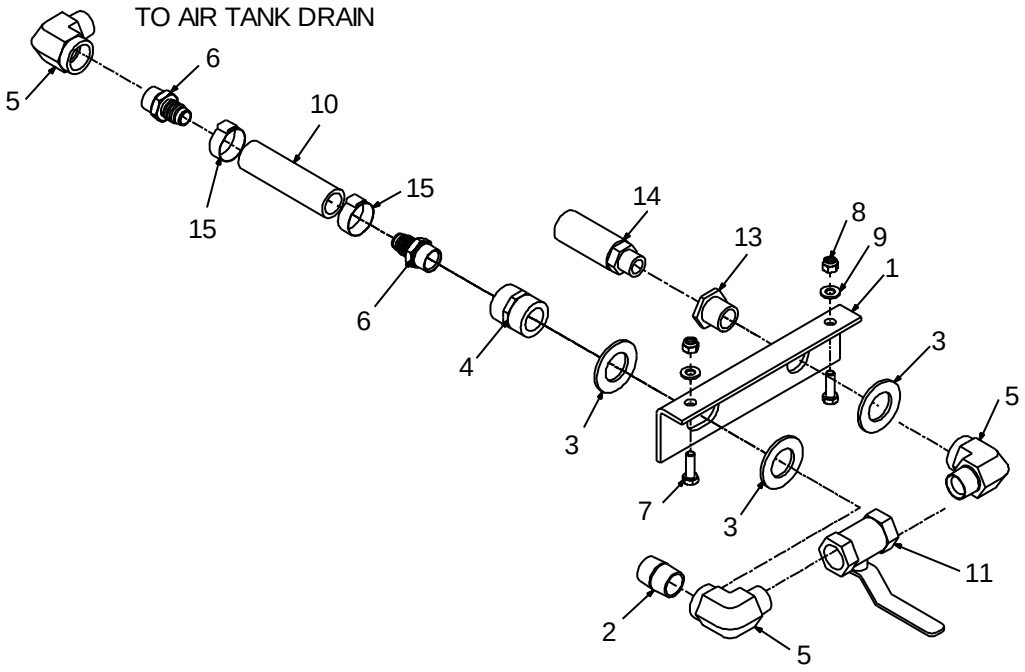
NOTE:

1 LOCATE DECAL #24 AS CLOSE TO DRAIN VALVE AS POSSIBLE, IN CLEAR VIEW OF OPERATOR.

51708369 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70073808	TANK-AIR 58 GAL	1
2.	60112258	BRACKET-AIR TANK 58 GAL MECH	2
3.	70048036	GAUGE-PRESS AIR 300# BTM MNT	1
4.	72053527	REDUCER BUSH-BLK .75- .25	2
5.	72053604	TEE-BLK .75	2
6.	72532832	HOSE HTG-TYPE O .75 .75 STL	2
7.	72053141	NIPPLE-PIPE BLK .75 X CLOSE	2
8.	72532852	REDUCER BUSH-BLK 2.00- .75	2
9.	73054032	VALVE-SAFETY .25 200 PSI	1
10.	72060046	CAP SCR .38-16 X 1.00 HH GR5 Z	12
11.	72062002	NUT .38-16 HEX ZINC	12
12.	72063003	WASHER .38 W FLAT AHSI B27.2Z	12
13.	72063051	WASHER .38 LOCK ZINC	12

51708369 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
14.	51709358	DRAIN ASM-AIR TANK UNDER DECK	1
15.	72066534	CLAMP-HOSE VINYL COVERED .25	3
16.	72066340	RIVET-POP AL .12 X .375 GRIP	3
17.	89392349	HOSE-GP .75 X 300# WP (GRAY)	31 FT
18.	72066525	CLAMP-HOSE VINYL COVERED .75	9
19.	72060002	CAP SCR .25-20 X .75 HH GR5 Z	9
20.	72063049	WASHER .25 LOCK ZINC	9
21.	72063001	WASHER .25 W FLAT ANSI B27.2Z	6
22.	72062000	NUT .25-20 HEX ZINC	6
23.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	2
24.	71393886	DECAL-DANGER EXPLODING TANK	1
REV. C 20080613			

Air Tank Drain Assembly (51709358)

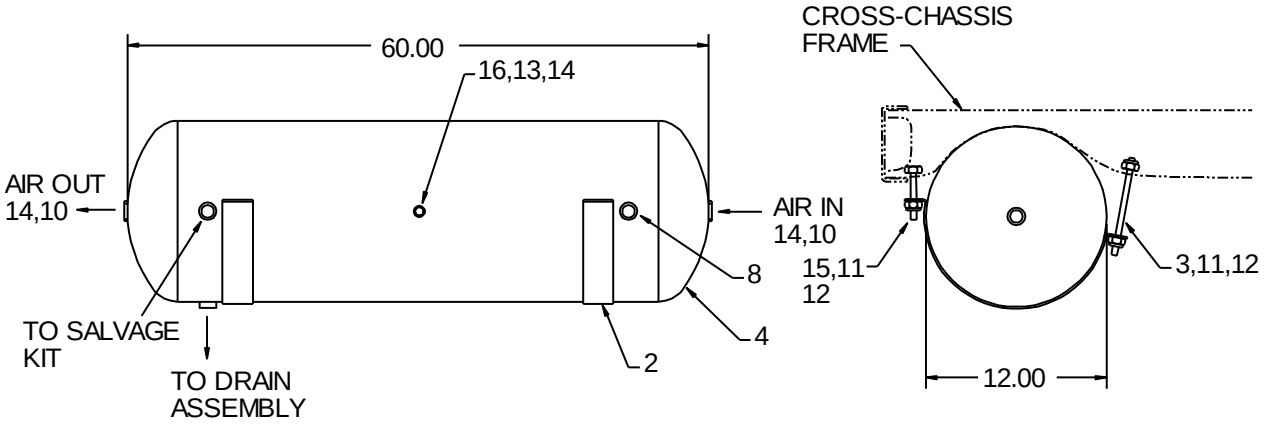


NOTE:

1 ITEM#12, DECAL-AIR TANK DRAIN, IS NOT SHOWN. LOCATE DECAL AS CLOSE TO DRAIN VALVE AS POSSIBLE, IN CLEAR VIEW OF OPERATOR.

51709358 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60116097	MOUNTING BRACKET, 3/4 AIR TANK DRAIN	1
2.	72053141	NIPPLE-PIPE BLK 3/4XCLOSE	1
3.	72063066	WASHER-FLAT 1"	3
4.	72053472	COUPLING-STL 3/4 HEX	1
5.	72053556	ELBOW-STREET STL 3/4 X 90	3
6.	72053458	NIPPLE-BARB BRS 3/4 MPT	2
7.	72060025	CAP SCR 5/16-18X1 HHGR5	2
8.	72062109	NUT 5/16-18 HEX NYLOC	2
9.	72063002	WASHER 5/16 FLAT	2
10.	89392349	HOSE-GP 3/4X300# WP	10'
11.	73054230	VALVE-BALL 3/4	1
12.	70391601	DECAL-AIR TANK DRAIN	1
13.	72531833	REDUCER BUSHING-STEEL .75-.50	1
14.	70396133	MUFFLER-AIR 1/2 NPT	1
15.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	2
REV. M 20110520			

Air Tank Kit, 28 Gallon (51710158)

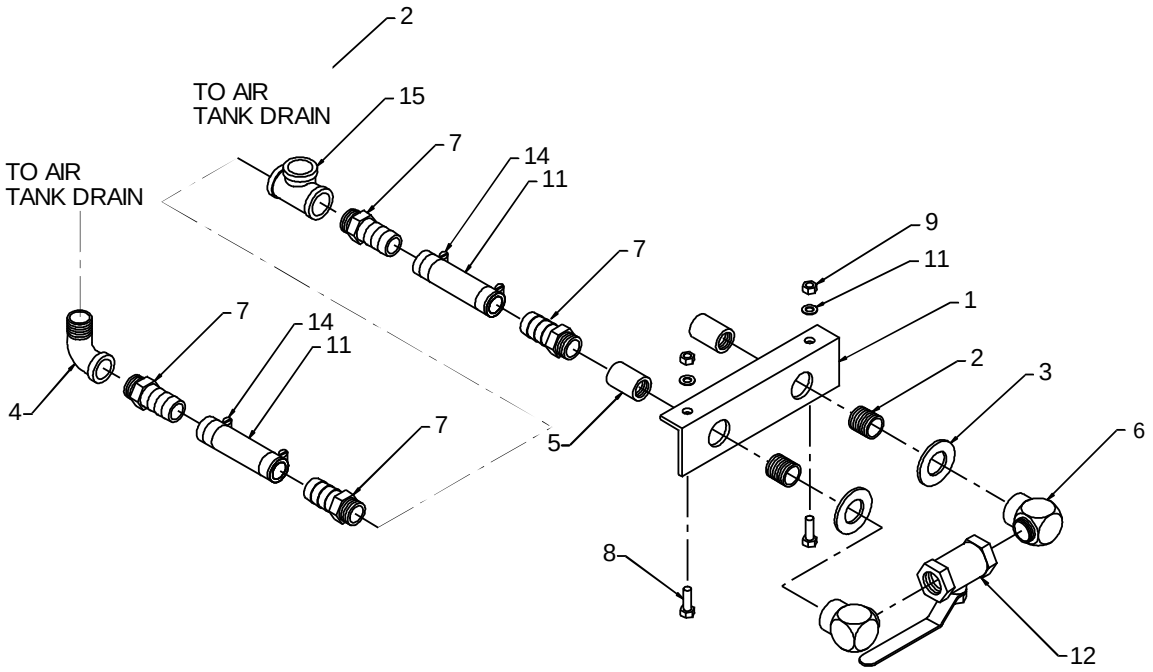


NOTE: LOCATE DECAL AS CLOSE TO DRAIN VALVE AS POSSIBLE-IN CLEAR VIEW OF OPERATOR

51710158 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51709358	DRAIN ASM	1
2.	60106492	BRACKET	2
3.	60114957	ROD 3/8-16 X10	2
4.	70731345	AIR TANK, 28 GAL	1
5.	72053119	PIPE NIPPLE 1/2 NPT	4
6.	72053293	STREET ELBOW 3/8 NPT 90°	1
7.	72053372	RED BUSHING	1
8.	72053405	PIPE PLUG 3/4 NPT SH	1
9.	72053458	BARB NIPPLE 3/4 MPT 3/4 HOSE	2
10.	72053556	STREET ELBOW 3/4 NPT 90°	2
11.	72062103	NUT 3/8-16 LOCK	8
12.	72063186	WASHER 3/8 FLAT	6
13.	72531131	STREET ELBOW 1/4 NPT 90°	1
14.	72531836	RED BUSHING 1-1/4 3/4	2
15.	72601512	CAP SCR 3/8-16 C 3.5 HHGR8	2
16.	73054032	SAFETY VALVE 1/4 NPT 200 PSI	1
17.	71393886	DECAL-DANGER AIR TANK	1

REV. A 20051130

Air Tank Drain Assembly (51713771)

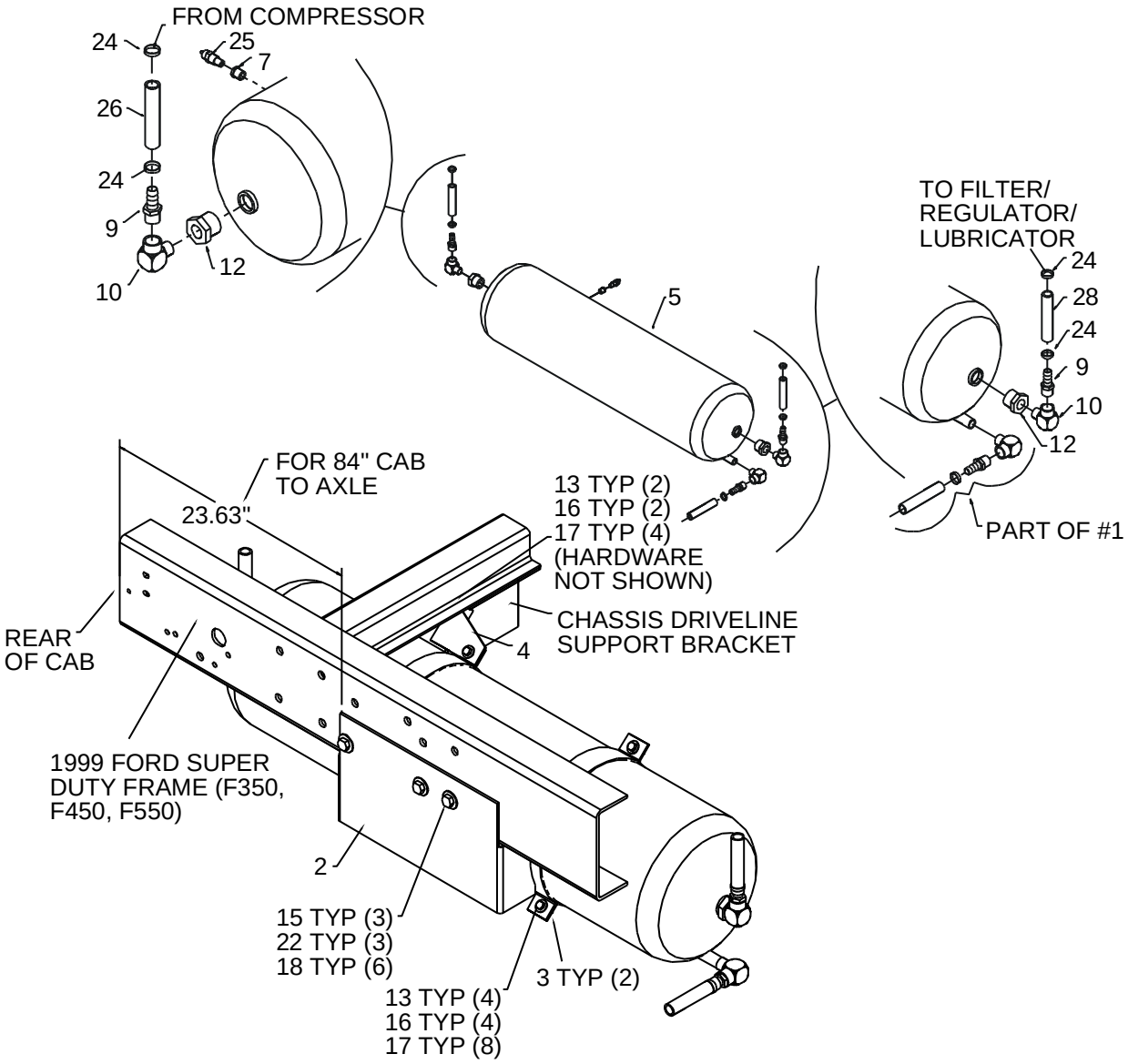


NOTE:

1 ITEM #13, DECAL, NOT SHOWN. PLACE DECAL AS CLOSE TO DRAIN VALVE AS POSSIBLE, IN CLEAR VIEW OF OPERATOR.

51713771 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60116097	MTG. BRKT.-3/4 AIR TANK DRAIN	1
2.	72053141	NIPPLE-PIPE BLK .75X CLOSE	3
3.	72063066	WASHER-FLAT 1.00 (AS NEEDED)	4
4.	72053285	ELBOW-STREET BLK. .75 X 90 DEG.	1
5.	72053305	COUPLING-BLK .75	2
6.	72053556	ELBOW-STREET STL. .75 X 90 DEG.	2
7.	72053458	NIPPLE-BARB BRS. .75 MPT	4
8.	72060025	CAP SCR .31-18 X 1.00 HH GR5	2
9.	72062109	NUT .31-18 HEX NYLOC ZINC	2
10.	72063002	WASHER .31 W FLAT ANSI B27.2Z	2
11.	89392349	HOSE-GP .75X300# WP (GRAY)	10 FT.
12.	73054626	VALVE-BALL .75	1
13.	70391601	DECAL-AIR TANK DRAIN	1
14.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	4
15.	72053604	TEE-BLK .75	1
REV. A 20080613			

Air Tank Kit, 22 Gallon (51714204)



NOTES:

1 INSTALLATION SHOWN ON 84" C.A. CHASSIS.

2 THREE MOUNTING HOLES ARE EXISTING HOLES IN THE CHASSIS FRAME.

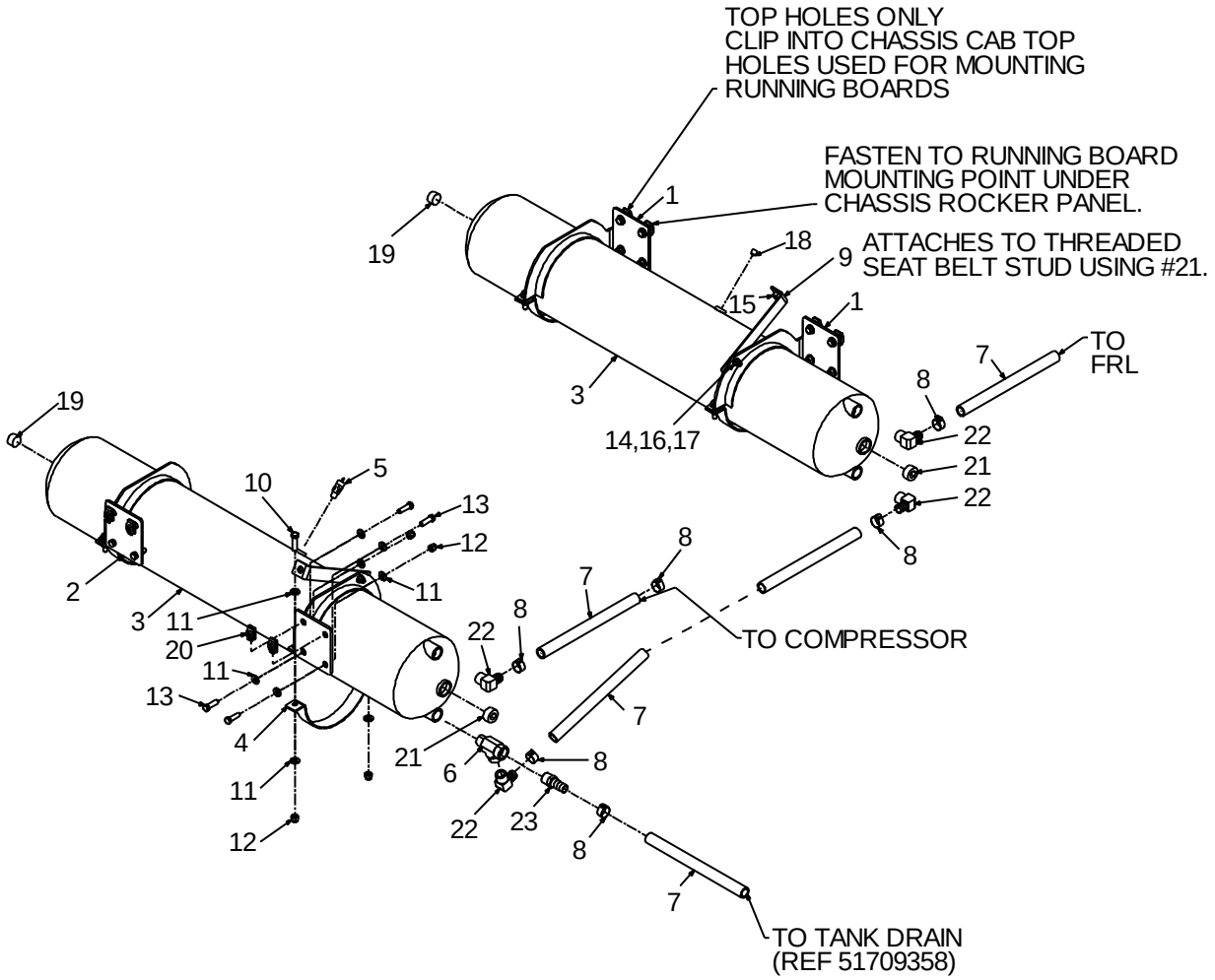
3 THE TANK WILL SIT COMPLETELY BEHIND THE REAR OF THE CAB, ONCE MOUNTED.

4 FOR A 60" C.A. CHASSIS, THE TANK WILL HANG UNDER THE CHASSIS APPROX. 2'. HOLES WILL NEED TO BE DRILLED FOR THIS INSTALLATION.

5 THE AIR TANK MOUNTING BRACKET (#4) ATTACHES TO THE CHASSIS DRIVELINE SUPPORT BRACKET. (TWO HOLES ARE PROVIDED IN THE CHASSIS DRIVELINE SUPPORT BRACKET.)

51714204 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51709358	DRAIN ASM (NOT SHOWN)	1
2.	52716275	BRACKET	1
3.	60106492	BRACKET	2
4.	60123268	BRACKET	1
5.	70733423	TANK-22 GAL	1
6.	71393886	DECAL-DANGER EXPLODING TANK	1
7.	72053372	REDUCER BUSHING 3/8-1/4NPT	1
9.	72053458	BARB NIPPLE 3/4MPT 3/4HOSE	2
10.	72053556	STREET ELBOW 3/4NPT 90°	2
11.	51716379	HARDWARE KIT (INCL. 13-22)	1
12.	72531836	REDUCER BUSHING 1-1/4-3/4NPT	2
13.	72060048	CAP SCR 3/8-16X1-1/2 HHGR5 (PART OF 11)	6
15.	72601144	CAP SCR 9/16-12X2 HHGR8 (PART OF 11)	2
16.	72062103	NUT 3/8-16 LOCK (PART OF 11)	6
17.	72063003	WASHER 3/8 WRT (PART OF 11)	12
18.	72063117	WASHER 9/16 WRT (PART OF 11)	4
22.	72062275	NUT 9/16-12 HEX TOP LOCK GR8Z (PART OF 11)	2
24.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	4
25.	73054032	SAFETY VALVE 1/4NPT 200PSI	1
26.	89392349	HOSE 3/4 300PSI	20FT
27.	72531131	ELBOW-STREET STL 1/4X90° (NOT SHOWN)	2
REV. F 20080613			

Air Tank Kit, Dual 10 Gallon (51717200)



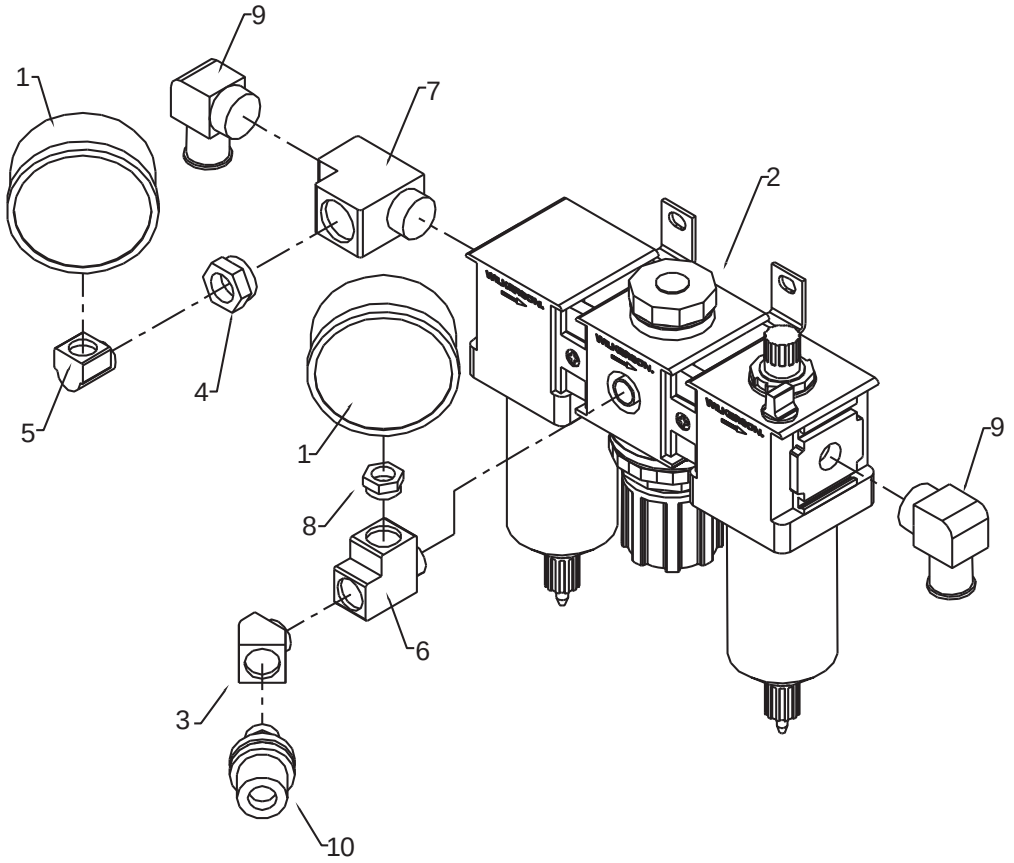
51717200 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52717201	BRACKET LH	2
2.	52717202	BRACKET RH	2
3.	70733666	AIR TANK 10 GAL	2
4.	60111339	STRAP-AIR TANK 10 GAL	4
5.	73054032	SAFETY VALVE 1/4 200 PSI	1
6.	72534403	TEE-STREET STL 0.75	1
7.	89392349	HOSE-GP .75X250 WP GRAY	8
8.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	8
9.	60123804	BRACKET-STRAP	2
10.	72060048	CAP SCR 3/8-16 X 1.50 HH GR5 Z	8
11.	72063003	WASHER 3/8 FLAT	48
12.	72062103	NUT 3/8-16 HEX NYLOC ZINC	24

51717200 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
13.	72060047	CAP SCR 3/8-16 X 1.25 HH GR5 Z	16
14.	72060025	CAP SCR 5/16-18 X 1.00 HH GR5 Z	2
15.	72062290	NUT METRIC 12MM CENT LOCK	2
16.	72063002	WASHER 5/16 FLAT	4
17.	72062109	NUT .31-18 HEX NYLOCK	2
18.	72053402	PLUG-PIPE SOCKET HEAD GLV .25	1
19.	72053405	PLUG-PIPE SOCKET HEAD GLV .75	2
20.	72062291	CLIP-BODY SPEED NUT 3/8-16	8
21.	72053406	PLUG-PIPE SOCKET HEAD GLV 1.00	2
22.	72534819	NIPPLE-BARB BRASS .75MPT/90/.75	4
23.	72053458	NIPPLE-BARB BRASS .75MPT .75	1
REV C 20110519			

Stepless Ear Clamp Installation (99904411)

INSTALLING A STEPLESS EAR CLAMP	
When there is sufficient room, use standard jaw pincers to position a properly-sized ear clamp on a hose fitted with a hose stem. Close ear clamp fully with uniform force until there is only a 1/16" gap remaining. The visible deformation of the clamp ear provides a visible, instant check that the closure is complete.	
INSTALLING A STEPLESS EAR CLAMP IN RESTRICTED SPACE	
When space is restricted, use side jaw pincers held parallel to the hose to position and clamp a properly-sized ear clamp on a hose fitted with a hose stem. Close ear clamp fully with uniform force until there is only a 1/16" gap remaining. The visible deformation of the clamp ear provides a visible, instant check that the closure is complete.	
REMOVING A STEPLESS EAR CLAMP	
To remove a stepless ear clamp, grasp the strip end with a pincer and pull it away.	
NOTE: Stepless ear clamps can only be used once. When removed, they must be discarded and replaced with new clamps.	

Moisture Separator / Regulator / Oiler Assembly (51714805)



NOTE:

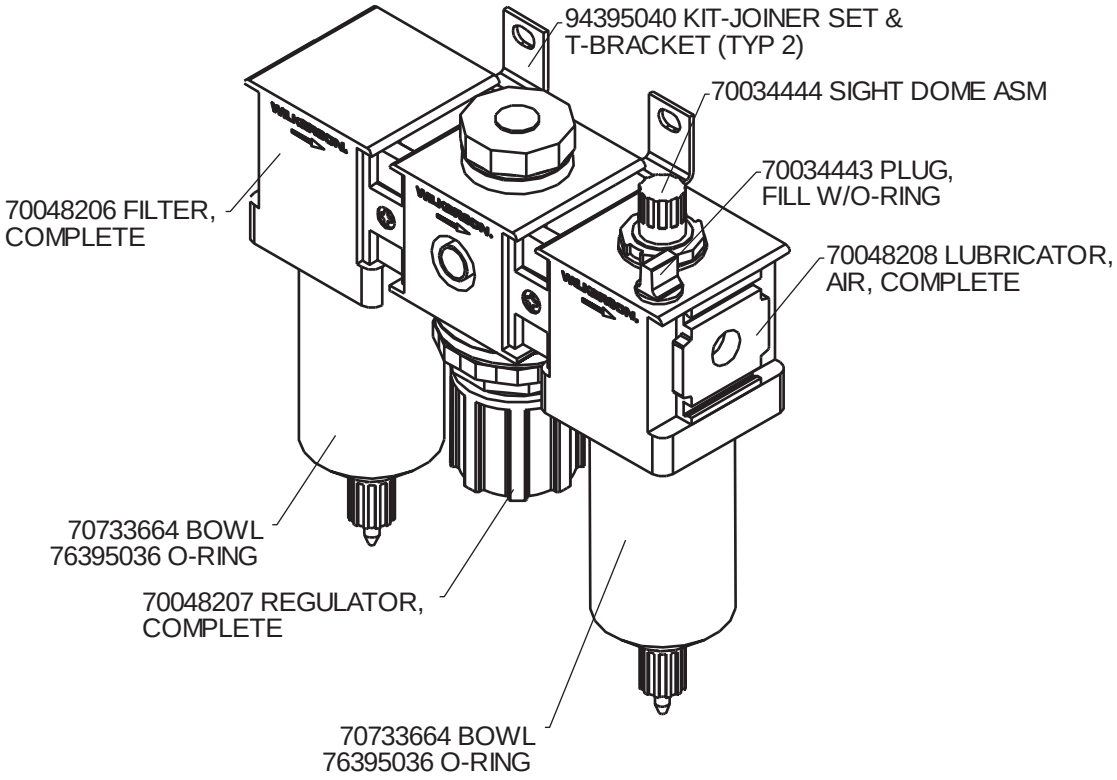
1 When installing fittings, seal threads with Pro Lock pipe sealant with teflon (#51464) or equivalent. This sealant is a low strength anaerobic paste. Thread tape is *not* acceptable.

51714805 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70048205	AIR PRESSURE GAUGE 300PSI	2
2.	70073310	MOISTURE SEP/REG/OILER	1
3.	72053571	STREET ELBOW 3/8NPT 45° BRASS	1
4.	72531812	REDUCER BUSHING 1/2-1/4NPT BRS	1
5.	72532974	STREET ELBOW 1/4NPT 90° SHORT	1
6.	72533586	TEE 3/8NPT BRS RUN	1
7.	72533587	TEE 1/2NPT BRS RUN	1
8.	72533588	REDUCER BUSHING 3/8-1/4NPT BRS	1
9.	72533592	BARB NIPPLE 1/2MPT 3/4NPT 90°	4

51714805 PARTS LIST			
10.	72533593	QUICK DISCONNECT 3/8MPT 1/4DIS	1
11.	72601825	CAP SCR, SS 1/4-20 X 1/2 HH	* 4
12.	72063142	WASHER, SS 1/4 LOCK	* 4
13.	T48004	920 3"X5" 2MIL ZIPLOC BAG	* 4
* NOT SHOWN			

REV. B 20050103

Moisture Separator / Regulator / Oiler Parts (51714805)

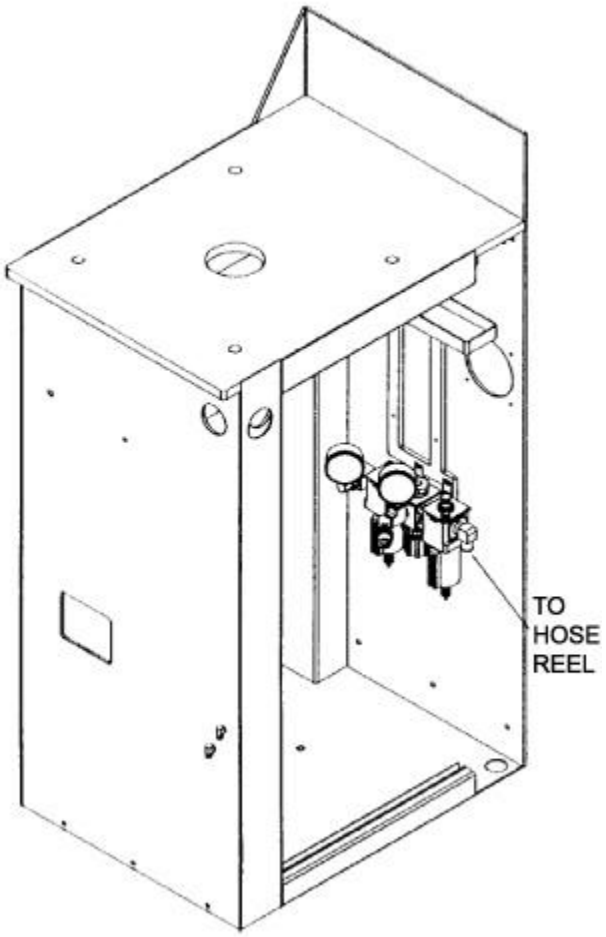

94395040 KIT-JOINER SET & T-BRACKET (TYP 2)
70034444 SIGHT DOME ASM
70034443 PLUG, FILL W/O-RING
70048206 FILTER, COMPLETE
70048208 LUBRICATOR, AIR, COMPLETE
70733664 BOWL 76395036 O-RING
70048207 REGULATOR, COMPLETE
70733664 BOWL 76395036 O-RING

COMPONENT PART ASSEMBLIES:
70048206 FILTER REPLACEMENT PARTS INCLUDE 94395039 ELEMENT KIT (5-MICRON ELEMENT, ELEMENT RETAINER, DEFLECTOR, AND BOWL O-RING) AND 70048209 ELEMENT (5-MICRON ELEMENT ONLY).

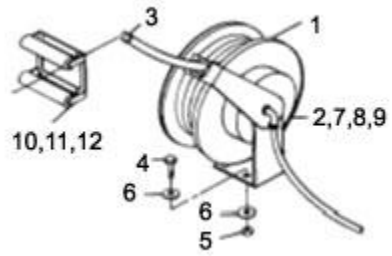
70048207 AIR REGULATOR REPLACEMENT PARTS INCLUDE 94395037 DIAPHRAGM KIT AND 70145777 SPRING, AIR REGULATOR.

70048208 LUBRICATOR REPLACEMENT PARTS INCLUDE 94395038 BY-PASS KIT, WHICH INCLUDES MODULE, CHECK BALLS, ELASTOMER, AND GASKET.

Moisture Separator / Regulator / Oiler Installation



Hose Reel (51713651)

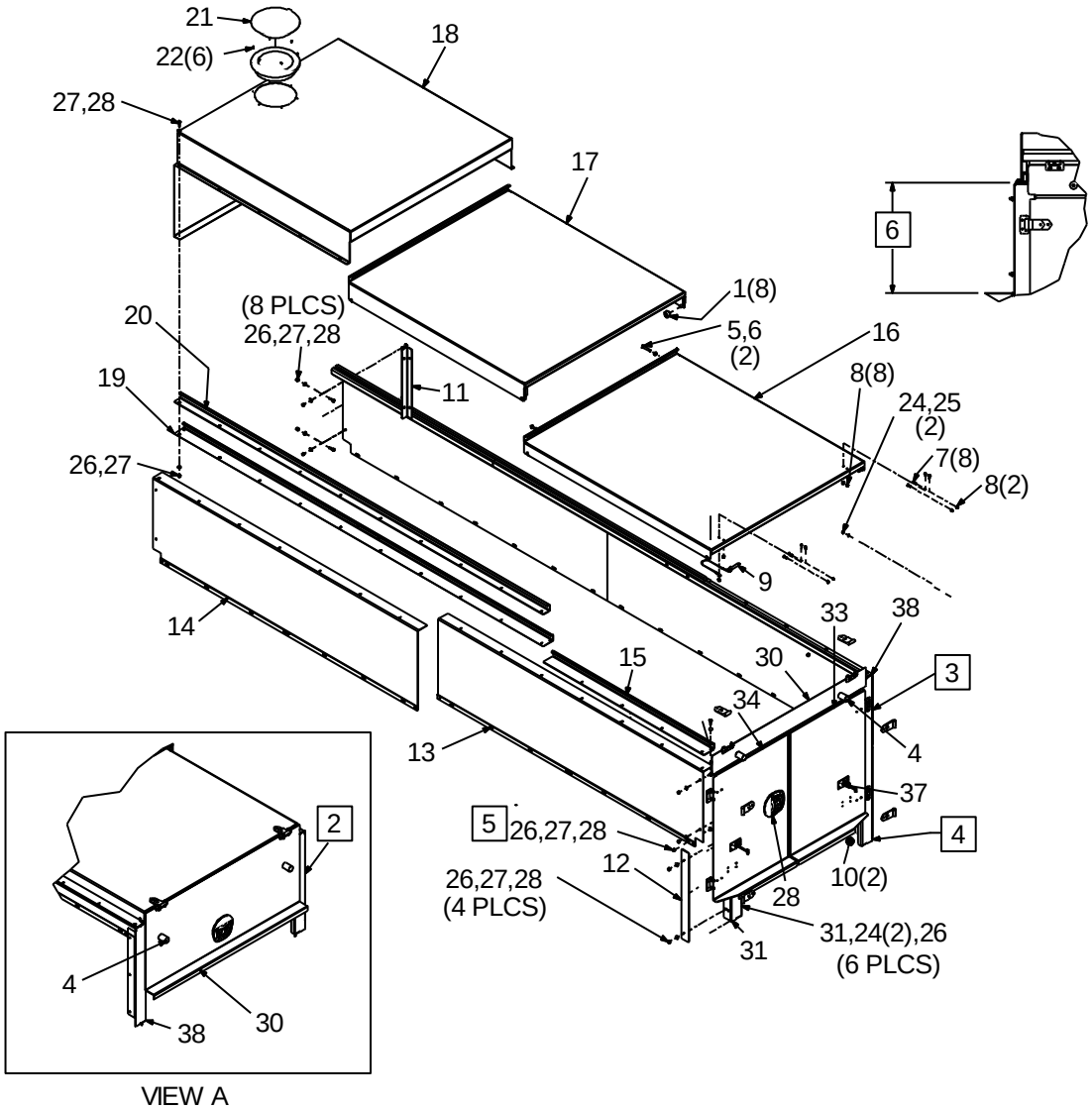


51713651 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70732096	HOSE REEL	1
2.	72531133	STREET ELBOW, STL 1/2X90° (WAS 72053284)	1
3.	72053810	PIPE CAP 1/2NPT	1
4.	72060046	CAP SCR 3/8-16X1 HHGR5Z	4REF
5.	72062103	NUT 3/8-16 LOCK	4REF
6.	72063003	WASHER 3/8 FLAT	8REF
7.	72066000	HOSE CLAMP (WAS QTY 2)	4REF
8.	72051547	BARB NIPPLE 1/2MPT 3/4HOSE (WAS QTY 2)	1
9.	89392349	HOSE 3/4 300#	36"
10.	70731371	HOSE GUIDE & ROLLER ASM	1
11.	72601004	BOLT, STV #10-24X3/4 FLH ZINC	4REF
12.	72062106	NUT #10-24 HEX LOCK	4REF
	51716381	HARDWARE KIT, HOSE REEL (INCL. 4-7,11,12)	REF
REV 20120216			

CHAPTER 9

Telescoping Tops

Telescoping Loadbed Tops (99905244)



NOTES (SEE REFERENCE NUMBER IN BOX):

1 THE COMPLETE ASSEMBLY DETAIL IS FOR THE TOP WHICH IS 43" ABOVE THE LOADBED. VIEW A SHOWS THE HINGE-UP DOOR ON THE TOP THAT IS 26" ABOVE THE LOADBED.

2 ON ASSEMBLIES WITH HINGE-UP DOORS, THE REAR POST WILL BE FLUSH WITH THE BACK OF THE SIDEPACK.

3 ON ASSEMBLIES WITH SWING-OUT DOORS, THE REAR POST WILL BE 0.09" BEHIND THE BACK OF THE SIDEPACK.

4 SECURE POST ON THE CRANE BOX SIDE WITH ITEMS #22, 24, 26.

5 QUANTITY VARIES PER SIDE.

6 HEIGHT BETWEEN SIDEPACK AND TOP- 18.25" FOR TOP WHICH IS 43" ABOVE THE LOADBED; 1" FOR TOP WHICH IS 26" ABOVE THE LOADBED.

99905244 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	60030171	ROLLER	UHMW .52X1.25X .62 LG	8
2.	72661383	HINGE	SS 10GA BUTT W/IMT LOGO OFFSET	6
3.	72661599	LATCH ASSEMBLY	3PT COMPRESSION	1
4.	70391615	BUMPER-RUBBER	1.25 DIA X 1.88	2
5.	72062002	NUT	.38-16 HEX	KIT
6.	72060050	CAP SCREW	.38-16X 2.00 HH GR5ZC	KIT
7.	72601652	SCREW-MACH	.25-20X .75TRHTORXSS	KIT
8.	72062194	NUT-SS	.25-20 NYLOC	KIT
9.	71734026	PIN-QUICK RELEASE	.50D/1.5 W/ 12inL	1
10.	72060833	SCREW-THREAD CUT	.31-18X.75 HWH-1	KIT
11.	SEE CHART	ANGLE-FRONT FILLER	17.5	2
12.	SEE CHART	SPACER REAR POST	43 H	2
13.	SEE CHART	BRACKET-SIDE WELDMENT		2
14.	SEE CHART	BRACKET-SIDE WELDMENT		2
15.	SEE CHART	TRACK-LOWER RF LR		2
16.	SEE CHART	TOP-TELESCOP REAR SECTION		1
17.	SEE CHART	TOP-TELESCOP CENTER SECTION		1
18.	SEE CHART	TOP-TELESCOP FRONT SECTION		1
19.	SEE CHART	TRACK-LOWER LF RR		2
20.	SEE CHART	TRACK-UPPER		2
21.	70395940	LID-ASSEMBLY		1
22.	72066340	RIVET-POP AL	.12 X .375 GRIP	KIT
23.	72060640	SCREW-MACH	10-24X 1.50 RDH	KIT
24.	72062106	NUT	10-24 HEX NYLOCK	KIT
25.	72063000	WASHER	.19 W FLAT ANSI B27.2Z	KIT
26.	72062109	NUT	.31-18 HEX NYLOCK	KIT
27.	72063002	WASHER	.31 FLAT	KIT

99905244 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
28.	72060025	CAP SCREW	.31-18X 1.00 HH GR5 Z	KIT
29.	72060026	CAP SCREW	.31-18X 1.25 HH GR5 Z	KIT
30.	SEE CHART	DOOR-WELDMENT FLIP UP DOOR		KIT
31.	SEE CHART	PANEL REAR POST LR		1
33.	SEE CHART	DOOR-WELDMENT W-SWING WO-LTCH		1
34.	SEE CHART	DOOR-TWELDMENT W-SWING W-LTCH		1
35.	SEE CHART	ROD-DOOR W/.75" OFFSET TOP		1
36.	SEE CHART	ROD-DOOR W/ 2.75" OFFSET BOTTOM		1
37.	71412598	DOOR CATCH-ASM ZINC 4" 2 PC		2
38.	SEE CHART	PANEL T-TOP REAR POST RR		1
NEW 20110629				

CHART-TELESCOPING TOPS

	SIDEPACK LENGTH	9' LONG	9' LONG	11' LONG	11' LONG
	TOP HEIGHT ABOVE LOADBED	26"	43"	26"	43"
	TELESCOPING TOP ASSEMBLY #	51718870	51718558	51718853	51718898
ITEM	DESCRIPTION				
11	ANGLE-FRONT-FILLER	N/A	60128518	N/A	60128518
12	SPACER-REAR POST	N/A	60126567	N/A	60126567
13	SIDE MOUNTING BRACKET	52718854	52718855	52719467	52719207
14	SIDE MOUNTING BRACKET	N/A	N/A	N/A	N/A
15	TRACK-LOWER	N/A	N/A	N/A	N/A
16	TOP-REAR	52718060	52718060	52719460	52719460
17	TOP-CENTER	52718001	52718001	52719459	52719459
18	TOP-FRONT	52718857	52718858	52719458	52718856
19	TRACK-LOWER	60126570	60126570	60128898	60128898
20	TRACK-UPPER	60126571	60126571	60128897	60128897
30	DOOR-HINGE UP	52719461	52720957	52719461	52720957
31	POST-LEFT REAR	60128899	60131373	60128899	60131373
33	DOOR-SWING WITHOUT LATCH	N/A	52720958	N/A	52720958
34	DOOR-SWING WITH LATCH	N/A	52720959	N/A	52720959
35	DOOR ROD-TOP	60113039	60131457	60113039	60131457
36	DOOR ROD-BOTTOM	60113039	60131458	60113039	60131458
38	POST-RIGHT REAR	60128899	60131379	60128899	60131379
REF	HARDWARE KIT	51719679	51719679	51719679	51719679

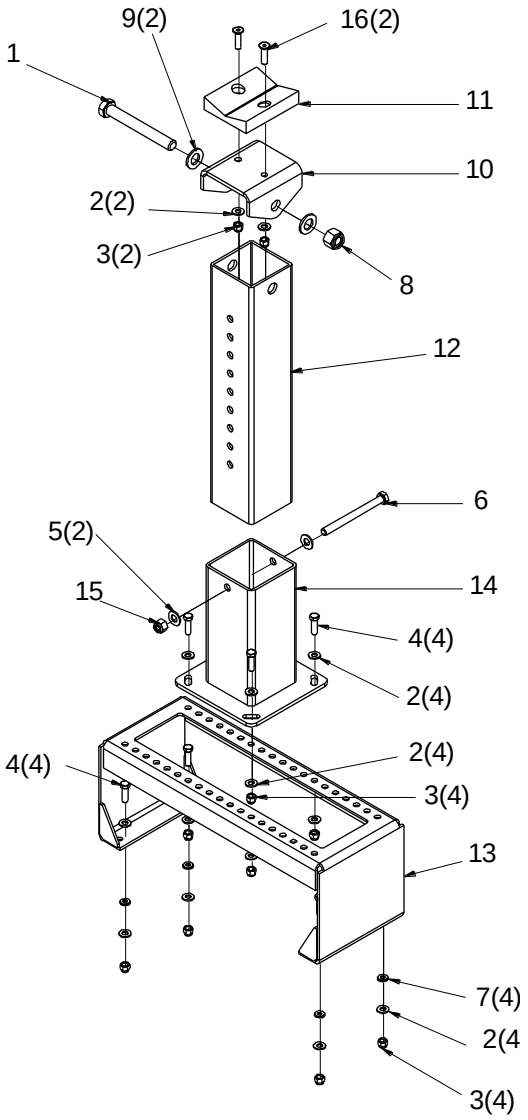
CHAPTER 10

Boom Supports

In This Chapter

Boom Support, Adjustable (52723757) 120
Boom Support Placement (99905157) 121

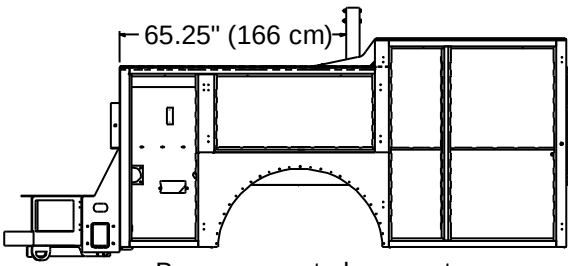
Boom Support, Adjustable (52723757)



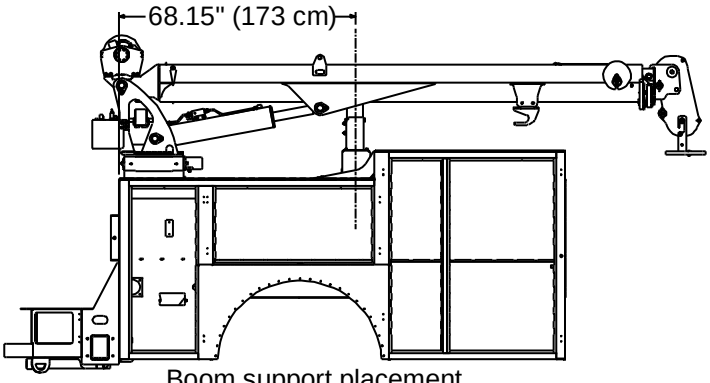
52723757 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	72060193	CAP SCREW	.75-10 X 6.00 HH GR5Z	1
2.	72063003	WASHER	.38 FLAT	18
3.	72062103	NUT	.38-16 HEX NYLOCK	10
4.	72060047	CAP SCREW	.38-16 X 1.25 HHGR5Z	8
5.	72063005	WASHER	.50 FLAT	2
6.	72060102	CAP SCREW	.50-13 X 5.5 HHGR5Z	1
7.	76392821	WASHER	.38 BONDED-PLATED	4
8.	72062114	NUT	.75-10 HEX NYLOCK	1

52723757 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
9.	72063008	WASHER	.75 FLAT	2
10.	60136190	BRACKET-SADDLE PIVOT		1
11.	60030430	WEAR PAD-SADDLE		1
12.	60136187	PEDESTAL TUBE		1
13.	52724120	WELDMENT-ADJ BOOM SUPPORT		1
14.	52723211	POST WELDMENT		1
15.	72062080	NUT	.50-13 HEX NYLOCK	1
16.	72601611	SCREW-MACHINERY	.38-16 X 1.5 FLH	2
REF	51723760	HARDWARE KIT	INCLUDES 1-9, 15,16	
REV. F 20120301				

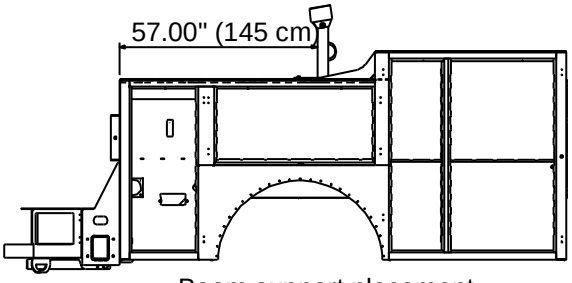
Boom Support Placement (99905157)



Boom support placement
for these cranes:
2020, 2820, 5005i, 6006i



Boom support placement
for these cranes:
7500, 8600, 9500, 10000



Boom support placement
for these cranes: 3203i & 4004i

CHAPTER 11

Stabilizers

In This Chapter

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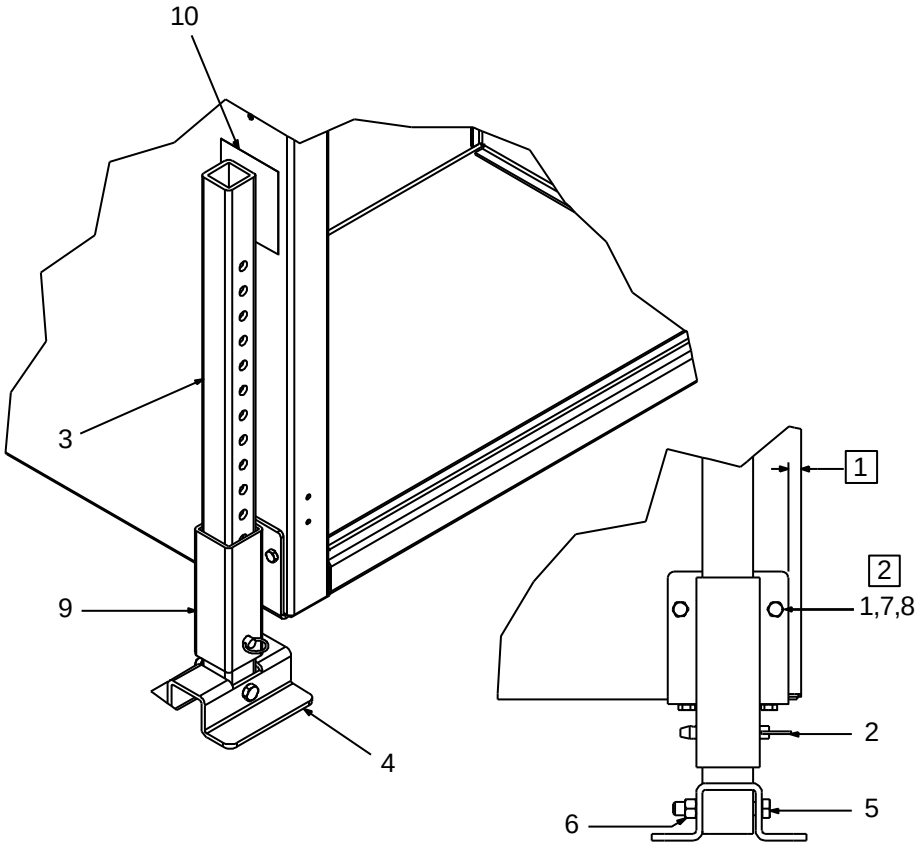
Front Stabilizer Matrix (Dominator I)

		CRANE MODEL										
MOUNTING LOCATION	STAB P/N	1015	2003i	2020	2820	3203i	4004i	5005i	6006i	6000S	7500S	7500L
LH None	-	X	X	X	X	X	X	X				
LH Drop Down	52723610								X	X	X	
LH Pullout/Drop Down (13")	52724169											X
RH None	-	X	X	X	X	X	X	X				
RH Drop Down	52723610								X	X	X	
LH Pullout/Drop Down (13")	52724169											
RH Pullout/Drop Down (19")	52723617											X

Note - No stabilizers are required for Dominator I bodies with cranes in the range between 1015 and 5005i. Other crane models require stabilizer part numbers indicated.

Stabilizer Kit, Front Drop-Down (52723610)



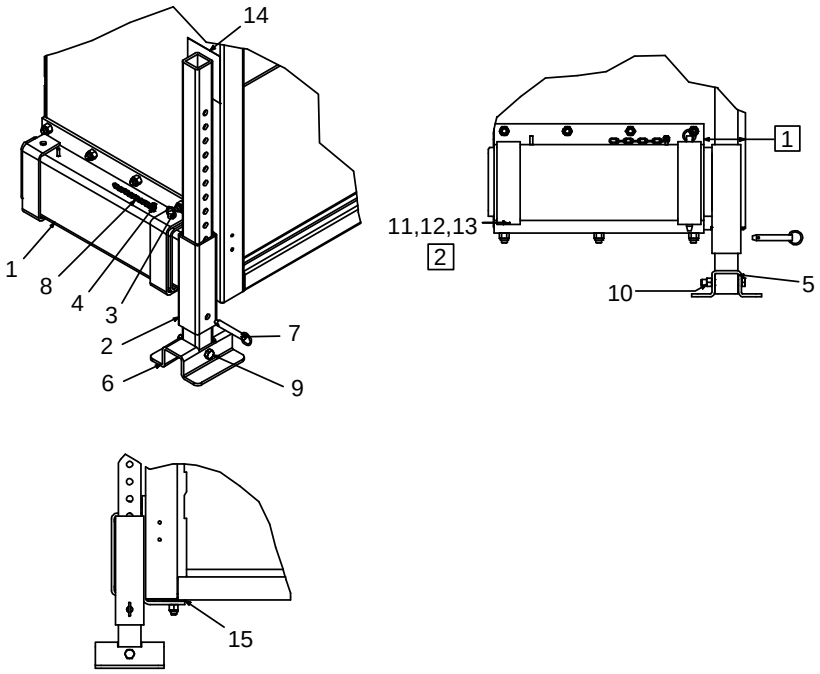
NOTES (SEE REFERENCE NUMBER IN BOX):

1 POSITION 1/2" (1.3 cm) FROM OUTSIDE OF SIDEPACK.

2 AT ASSEMBLY, DRILL FOUR 0.41" DIAMETER HOLES IN THE PANEL USING ITEM #9 (DROP DOWN WELDMENT) AS A GUIDE.

52723610 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	72060047	CAP SCREW	.38-16 X 1.25 HHGR5Z	4
2.	71732054	PIN-QUICK RELEASE		1
3.	60126320	TUBE, EXTENSION		1
4.	60126321	BOTTOM PAD		1
5.	72601582	CAP SCREW	.50-13 X 3.5 HHGR8Z	1
6.	72062232	NUT	.50-13 HEX TOP LOCK GR8Z	1
7.	72063003	WASHER	.38 FLAT	4
8.	72062103	NUT	.38-16 HEX NYLOCK	4
9.	52723624	WELDMENT, DROP DOWN		1
10.	60350164	TREAD	4 X 5 IN	1
REV B 20110920				

Stabilizer Kit, Front Pull-Out (13") (52724169)



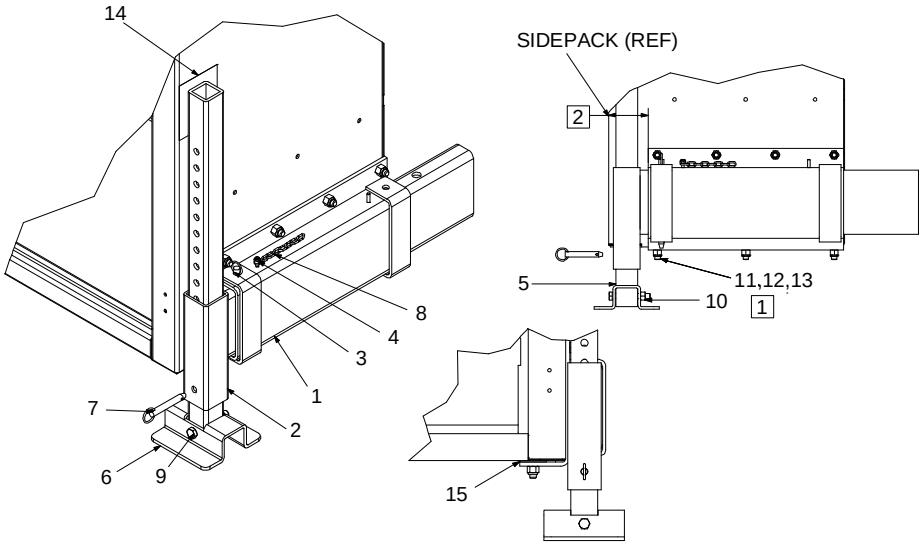
NOTES (SEE REFERENCE NUMBER IN BOX):

1 3.66" (9.3 cm) FROM OUTSIDE OF SIDEPACK.

2 AT ASSEMBLY, DRILL 7 Ø0.53" (1.3 cm) HOLES USING ITEM #1, STABILIZER HOUSING, AS A GUIDE.

52724169 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	52723607	FRONT HOUSING		1
2.	52724168	STABILIZER ARM PULLOUT WELDMENT		1
3.	71734566	PIN-QUICK RELEASE	.50D 5.0CRIT RNG	1
4.	72062104	NUT	.25-20 HEX NYLOCK	1
5.	60126320	STABILIZER FRONT TUBE EXTEND		1
6.	60126321	STABILIZER FRONT BOTTOM PAD		1
7.	71732054	PIN-QUICK RELEASE	.50D 2.5CRIT RNG	1
8.	60114940	CHAIN	.12 X 9.00in LONG	1
9.	72601582	CAP SCREW	.50-13X 3.50 HH GR8 Z	1
10.	72062232	NUT	.50-13 HEX TOP LOCK GR8 Z	1
11.	72060117	CAP SCREW	.50-13X 1.50 HH GR8 Z	7
12.	72063005	WASHER	.50 FLAT	7
13.	72062080	NUT	.50-13 HEX NYLOCK	7
14.	60350164	TREAD	SHUR STEP 4 X 5 IN	1
15.	60138429	STABLIIZER SPACER		1
REV C 20120530				

Stabilizer Kit, Right Front Manual Out/Manual Down (19") (52723617)



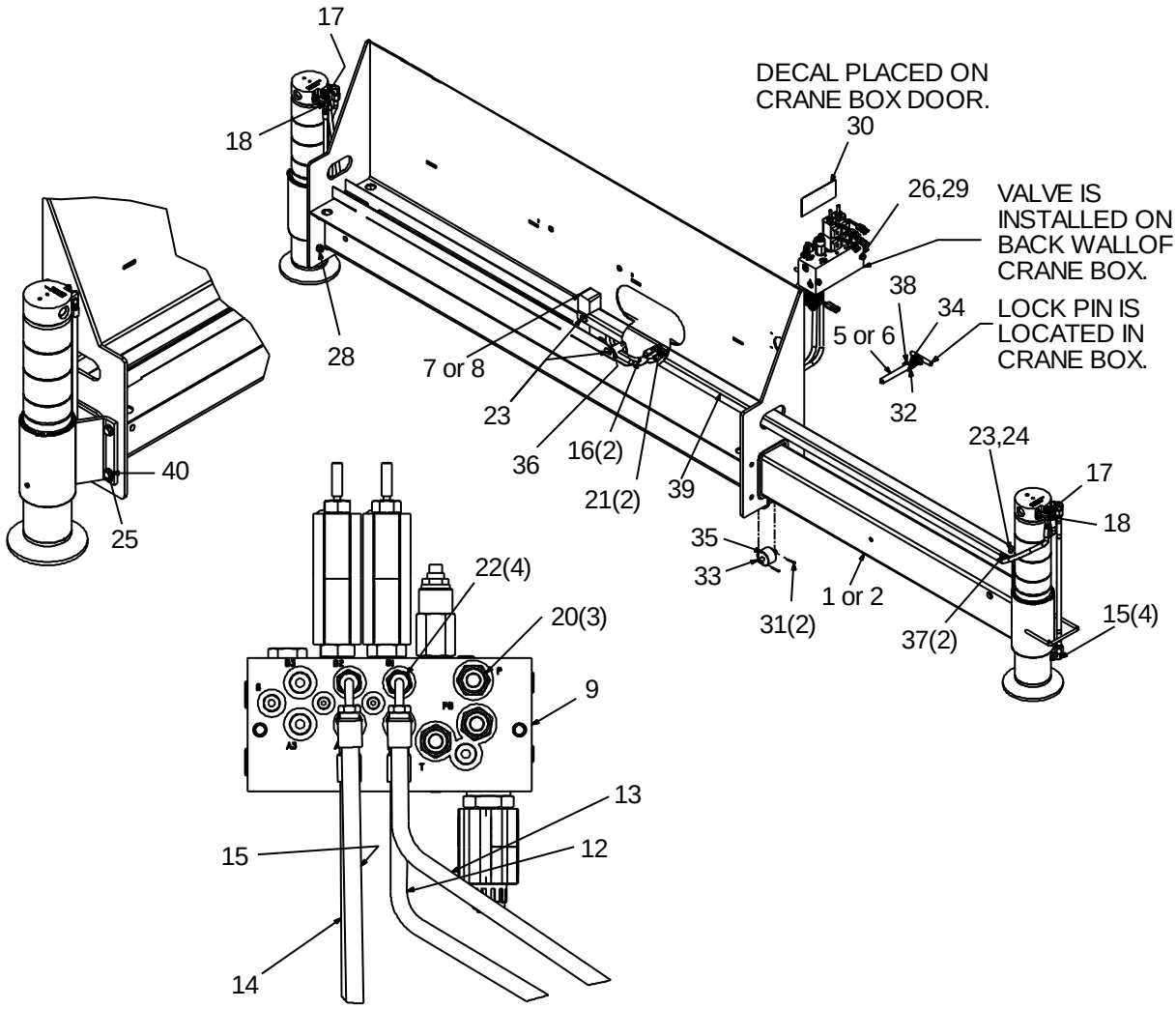
NOTES (SEE REFERENCE NUMBER IN BOX):

1 AT ASSEMBLY, DRILL SEVEN 0.53" DIAMETER HOLES IN THE PANEL USING ITEM #1 (FRONT PULLOUT WELDMENT) AS A GUIDE.

2 POSITION 3.66" (9.3 cm) FROM OUTSIDE OF SIDEPACK.

52723617 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	52723607	WELDMENT, PULLOUT		1
2.	52723608	STABILIZER ARM WELDMENT		1
3.	71734566	PIN-QUICK RELEASE		1
4.	72062104	NUT	.25-20 HEX NYLOCK	1
5.	60126320	TUBE		1
6.	60126321	BOTTOM PAD		1
7.	71732054	PIN-QUICK RELEASE		1
8.	60114940	CHAIN	0.12" X 9" LONG	1
9.	72601582	CAP SCREW	.50-13 X 3.5 HHGR8Z	1
10.	72062232	NUT	.50-13 HEX TOP LOCK GR8Z	1
11.	72060117	CAP SCREW	.50-13 X 1.5 HHGR8Z	7
12.	72063005	WASHER	.50 FLAT	7
13.	72062080	NUT	.50-13 HEX NYLOCK	7
14.	60350164	TREAD	SHUR STEP 4 X 5 IN	1
15.	60138429	STABILIZER SPACER		1
REV D 20120530				

Stabilizer Kit, Manual Out / Power Down (31724012/99905235)



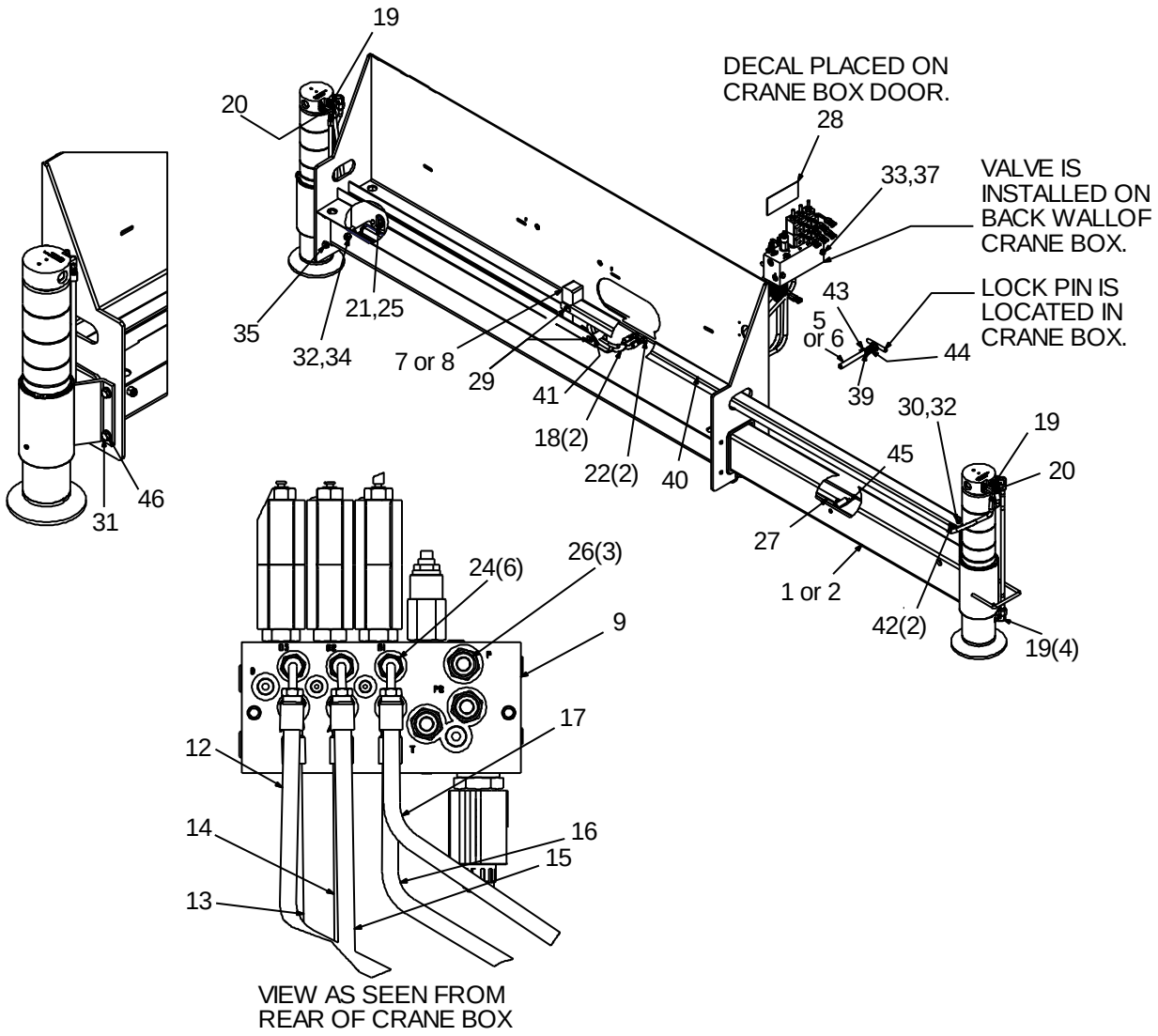
NOTES:

1 REFERENCE DRAWING 77441438 FOR WIRE HARNESS CONNECTIONS TO THE VALVE BANK.

31724012 / 99905235 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
2.	51719647	STABILIZER ASSEMBLY, EXTENSION		1
3.	51719649	STABILIZER ASSEMBLY, STATIONARY MOUNT		1
5.	52719747	PIN		1

31724012 / 99905235 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
7.	60030356	WEAR PAD	RC 2.00 X 2.00 X 5.00	1
9.	73734228	VALVE BANK, 2 SECTION WITH SOLENOIDS		1
10.	77441438	HARNESS-POWER PANEL		REF
11.	51720994	HOSE KIT, MANUAL OUT HYD STABILIZERS		REF
12.	51397096	HOSE	FJ .25 X 107.50 OAL (4-6) 100R17	1
13.	51397099	HOSE	FZ .25 X 108.00 OAL (4-6) 100R17	1
14.	51397097	HOSE	FJ .25 X 38.00 OAL (4-6) 100R17	1
15.	51397098	HOSE	FZ .25 X 42.00 OAL (4-6) 100R17	1
16.	51396821	HOSE	FF .25 X 96.00 (4-4) 100R2	2
17.	72053758	ELBOW	M STR/90/M JIC 4 4	2
18.	72533567	ELBOW	M STR/M JIC XLG 4 4	2
19.	72053763	ELBOW	M STR/90/M JIC 8 8	REF
20.	72532358	ADAPTER	M STR/M JIC 8 8	3
21.	72533590	ELBOW	M JIC/90/M JIC 4 4 BLKHD	2
22.	72532355	ADAPTER	M STR/M JIC 6 6	4
23.	72060031	CAP SCREW	.31-18X 2.50 HH GR5 Z	2
24.	72060026	CAP SCREW	.31-18X 1.25 HH GR5 Z	1
25.	72060117	CAP SCREW	.50-13X 1.50 HH GR8 Z	4
26.	72060056	CAP SCREW	.38-16X 4.00 HH GR5 Z	2
27.	72062109	NUT	.31-18 HEX NYLOCK	1
28.	72062232	NUT	.50-13 HEX TOP LOCK GR8 Z	4
29.	72063051	WASHER	.38 LOCK	2
30.	70398872	DECAL-STABILIZER MANUAL OVERRIDE		1
31.	72066178	COTTER PIN	.12X1.00 PLAIN	2
32.	72066185	COTTER PIN	.16X1.00 PLAIN	1
33.	60106314	PIN	TYPE O .50X 2.88 (2.63)	1
34.	60010351	SPRING-COMPRESSION	.062 X 1.50 X .845OD	1
35.	60030053	ROLLER	UHMW .50 X 2.00 X 1.38 LG	1
36.	60030354	CAM CLAMP	1.00 DIA. X 2.00	1
37.	72661621	CLAMP	.62 LOOP CUSHIONED	2
38.	72063028	MACHINERY BUSHING	.75X14 GA NR	2
39.	52719342	WELDMENT CHANNEL HOSE CARRIER		1
40.	72063132	WASHER	.50 FLAT	4
REV B 20120120				

Stabilizer Kit, Power Out / Power Down (31724013 / 99905236)



NOTES (SEE REFERENCE NUMBER IN BOX):

1 PLACE DECAL ABOVE VALVE BANK INSIDE CRANE BOX.

2 INSTALL VALVE ON BACK WALL OF CRANE BOX.

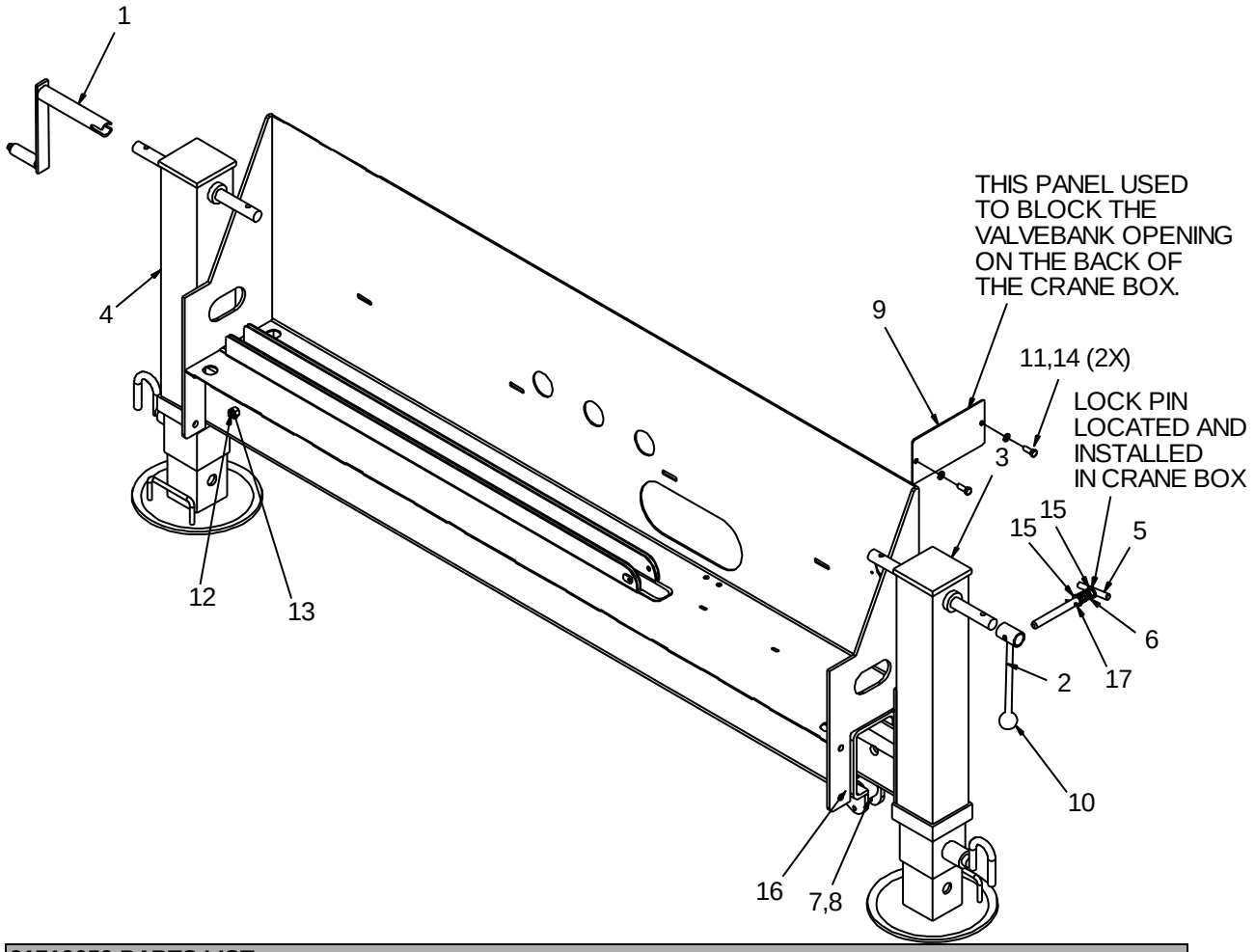
3 LOCK PIN IS LOCATED IN CRANE BOX.

4 SEE HARNESS DRAWING 77441438 FOR WIRE HARNESS CONNECTIONS TO VALVEBANK.

31724013 / 99905236 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
2.	51719647	STABILIZER ASSEMBLY EXTENSION		1
3.	51719649	STABILIZER ASSEMBLY STATIONARY MOUNT		1
5.	52719747	PIN		1
8.	60030356	WEAR PAD	RC 2.00 X 2.00 X 5.00	1
9.	73734229	VALVE BANK, 3-SECTION WITH SOLENOID		1
10.	77441438	HARNESS, POWER PANEL		REF
11.	51720995	HOSE KIT-POWER OUT HYD STABILIZERS		REF
12.	51397101	HOSE	FZ .25 X 82.00 OAL (4-6) 100R17	1
13.	51397100	HOSE	FJ .25 X 82.00 OAL (4-6) 100R17	1
14.	51397097	HOSE	FJ .25 X 38.00 OAL (4-6) 100R17	1
15.	51397098	HOSE	FZ .25 X 42.00 OAL (4-6) 100R17	1
16.	51397096	HOSE	FJ .25 X 107.50 OAL (4-6) 100R17	1
17.	51397099	HOSE	FZ .25 X 108.00 OAL (4-6) 100R17	1
18.	51396821	HOSE	FF .25 X 96.00 (4-4) 100R2	2
19.	72053758	ELBOW	M STR/90/M JIC 4 4	2
20.	72533567	ELBOW	M STR/M JIC XLG 4 4	2
21.	72532690	ELBOW	M JIC/F JIC SW 4 4	2
22.	72533590	ELBOW	M JIC/90/M JIC 4 4 BLKHD	2
23.	72053763	ELBOW	M STR/90/M JIC 8 8	4
24.	72532355	ADAPTER	M STR/M JIC 6 6	6
25.	72532351	ADAPTER	M STR/M JIC 4 4	2
26.	72532358	ADAPTER	M STR/M JIC 8 8	3
27.	3B142860	CYLINDER		1
28.	70398872	DECAL-STABILIZER MANUAL OVERRIDE, SOFT SHIFT		1
29.	72060031	CAP SCREW	.31-18X 2.50 HH GR5 Z	2
30.	72060026	CAP SCREW	.31-18X 1.25 HH GR5 Z	1
31.	72060117	CAP SCREW	.50-13X 1.50 HH GR8 Z	4
32.	72601297	CAP SCREW	.50-13X 5.75 HH GR5 Z	1
33.	72060056	CAP SCREW	.38-16X 4.00 HH GR5 Z	2
34.	72062080	NUT	.50-13 HEX NYLOCK	1
35.	72062232	NUT	.50-13 HEX TOP LOCK GR8 Z	4
36.	72062109	NUT	.31-18 HEX NYLOCK	1
37.	72063051	WASHER	.38 LOCK	2
38.	72066178	COTTER PIN	.12X1.00 PLAIN	2
39.	72066185	COTTER PIN	.16X1.00 PLAIN	1
40.	52719342	WELDMENT, CHANNEL HOSE CARRIER		1
41.	60030354	CAM CLAMP	1.00 DIA. X 2.00	1

31724013 / 99905236 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
42.	72661621	CLAMP	.62 LOOP CUSHIONED	2
43.	72063028	MACHY BUSHING	.75X14 GA NR	2
44.	60010351	SPRING-COMPRESSION	.062X1.50X.845 OD	1
45.	72661472	ROLL PIN	.50X4.00	1
46.	72063132	WASHER	.50 FLAT ASTM F436	4
REV B 20120120				

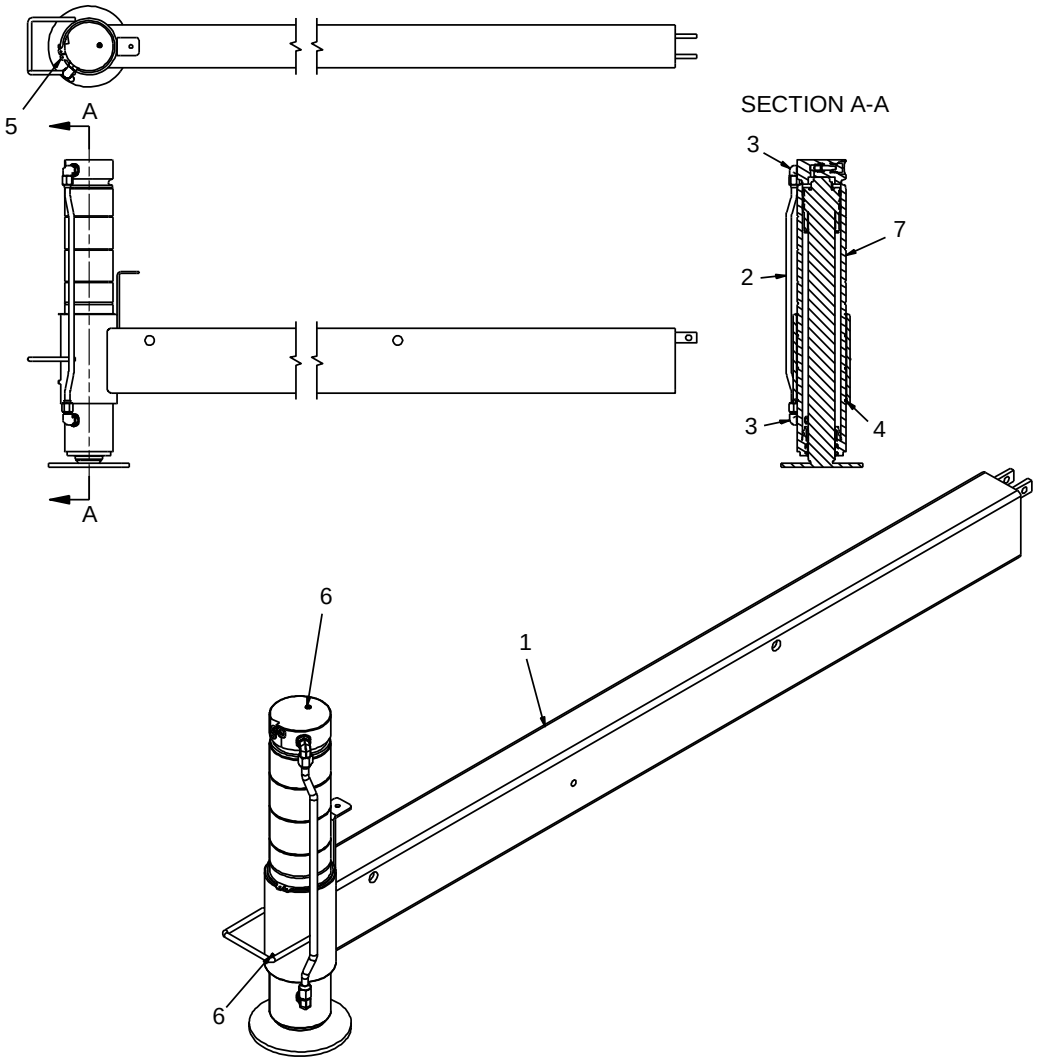
Rear Stabilizers, Manual Out / Manual Down (31719659 / 99904047)



31719659 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	51705040	CRANK ASSEMBLY		1
2.	52703319	CRANK HANDLE		1
3.	52719645	ARM-STABILIZER ADJUSTABLE MANUAL CRANK	(DOM 1)	1
3.	52712737	ARM-STABILIZER ADJUSTABLE MANUAL CRANK	(DOM 2)	1
4.	52719646	ARM-STABILIZER STATIONARY MANUAL CRANK	(DOM 1)	1
4.	52712738	ARM-STABILIZER STATIONARY MANUAL CRANK 7X5	(DOM 2)	1
5.	52719747	PIN-WELDMENT (DOM 1)		1
5.	52718725	PIN-WELDMENT (DOM 2)		1
6.	60010351	SPRING		1

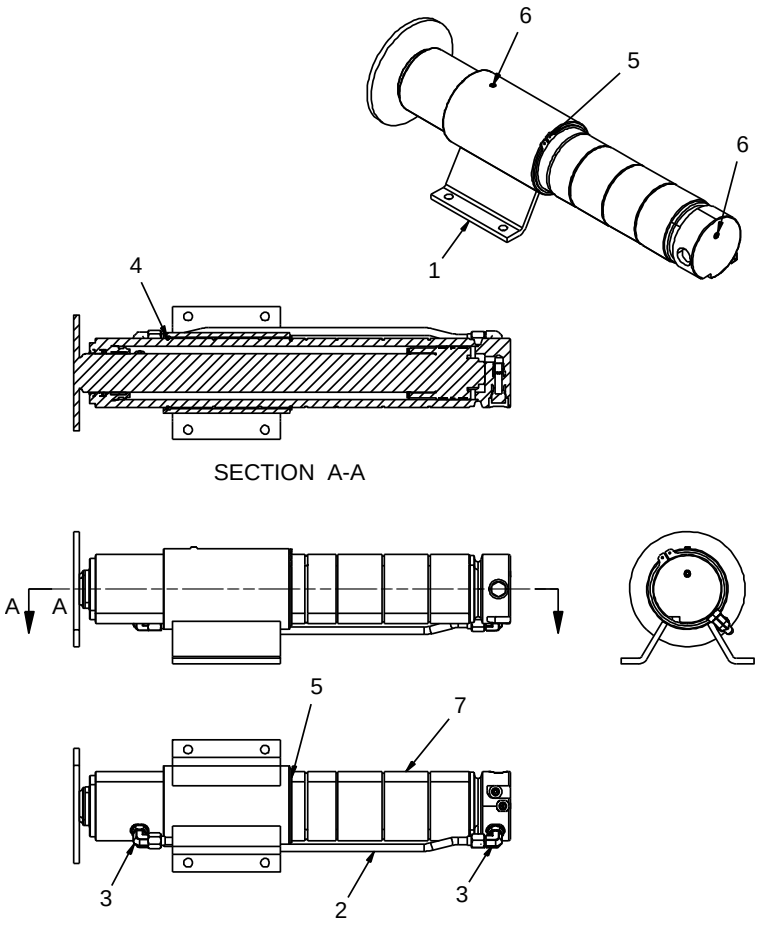
31719659 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
7.	60030053	ROLLER	UHMW .50 X 2.00 X 1.38 LG	2
8.	60106314	PIN		2
9.	60127906	PANEL-CRANE BOX VALVE BLOCK COVER		1
10.	71039096	KNOB-CONTROL	1.50 BLK	1
11.	72060046	CAP SCREW	.38-16X 1.00 HH GR5 Z	2
12.	72601297	CAP SCREW	.50-13X 5.75 HH GR5 Z (DOM 2)	1
12.	72060101	CAP SCREW	.50-13X 5.00 HH GR5 Z (DOM I)	1
13.	72062080	NUT	.50-13 HEX NYLOCK	1
14.	72063051	WASHER	.38 LOCK	2
15.	72063028	MACHY BUSHING	.75X14 GA NR (WAS 72063027)	2
16.	72066178	COTTER PIN	.12X1.00 PLAIN	4
17.	72066185	COTTER PIN	.16X1.00 PLAIN	1
REV 20060523				

Stabilizer Assembly (51718746)



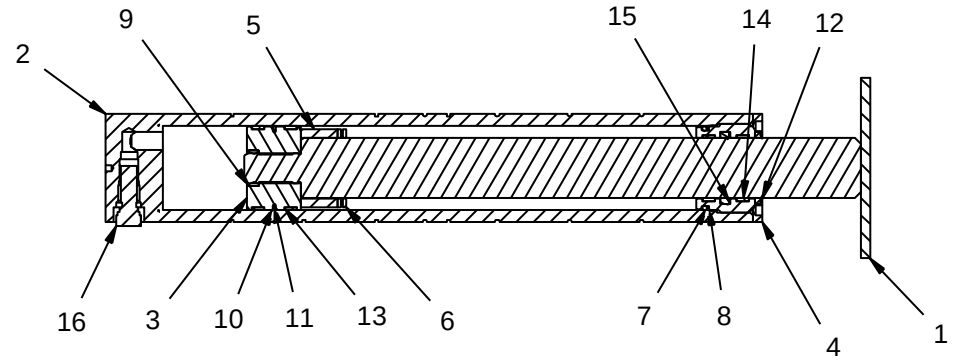
51718746 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718749	STABILIZER WELDMENT- SLIDEOUT ASM	1
2.	5P288970	PORT TUBE- 0.50 OD X 20.67 LG	1
3.	72053763	ELBOW-M STR/90/M JIC 8 8	2
4.	71411151	RING-LOCK DOMINATOR STABILIZER	1
5.	71411152	RETAINING RING-4.50 DIA X .120	1
6.	72601851	SET SCR-SS .38-16X .50 SOC HEAD	2
7.	51718751	CYLINDER-3.50 BORE X 18.00S 28.38CC O.R (WAS 71411796 THRU 1/07)	1
REV. F 20070313			

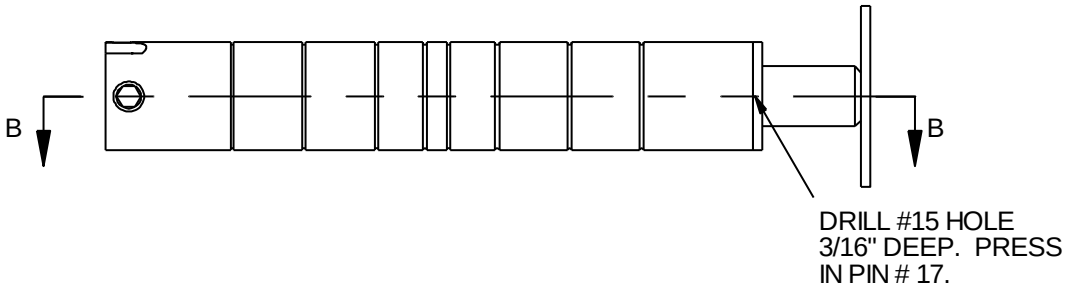
Stabilizer Assembly, Stationary Mount (51718747)



51718747 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718750	STABILIZER MOUNT WELDMENT	1
2.	5P288970	PORT TUBE- 0.50 OD X 20.67 LG	1
3.	72053763	ELBOW-M STR/90/M JIC 8 8	2
4.	71411151	RING-LOCK DOMINATOR STABILIZER	1
5.	71411152	RETAINING RING-4.50 DIA X .120	1
6.	72601851	SET SCR-SS .38-16X .50 SOC HEAD	2
7.	51718751	CYLINDER-3.50 BORE X 18.00S 28.38CC O.R (WAS 71411796 THRU 1/07)	1
REV. E 20070313			

Cylinder (51718751) (Thru. 9-05, Eff. 2/07)





NOTES:

1 REPLACE ALL COMPONENTS OF THE SEAL KIT WHENEVER THE CYLINDER IS DISASSEMBLED. THIS WILL REDUCE FUTURE DOWNTIME.

2 APPLY REGULAR GRADE ANTI-SEIZE AND LUBRICATING COMPOUND TO THREADS ON CYLINDER HEAD ONLY. KEEP AWAY FROM ALL SEALS.

3 APPLY "LUBRIPLATE" NO. 630-2 MEDIUM HEAVY, MULTI-PURPOSE LUBRICANT, TO ALL PISTON, HEAD GLAND, AND HOLDING VALVE SEALS, NYLON LOCK RING, CAST IRON PISTON RINGS, AND ROD STINGER THREADS.

4 ITEM #6, STOP TUBE, REPLACES 6A025025 WAFER LOCK. USE STOP TUBE INSTEAD OF WAFER LOCK WHEN RESEALING CYLINDER.

5 PRESS LOCKING PIN (ITEM #17) INTO #15 HOLE DRILLED 0.188" DEEP.

6 TORQUE PISTON TO 500-530 FT-LB, HEAD TO 350 FT-LB, AND CARTRIDGE TO 30-35 FT-LB.

51718751 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	4G048870	ROD ASSEMBLY	1
2.	52718748	CASE ASSEMBLY	1
3.	6ID35125	PISTON	1
4.	6HD35025	HEAD	1
5.	6c015025	STOP TUBE	1
6.	60138276	STOP TUBE (WAS 6A025025)	1
7.	7Q072338	O RING 3.12X 3.50X .19 70	1
8.	7Q10P338	BACKUP RING-3.12 ID X 3.50 OD	1

51718751 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
9.	7T61N125	LOCK RING-NYLON 1.25	1
10.	7T66P035	PISTON SEAL	1
11.	7Q072151	O RING 3.00X 3.19X .09 70	1
12.	7R14P025	ROD WIPER-TYPE D 2.25 ROD	1
13.	7T2N4035	WEAR RING-PISTON 3.50X3.25X.5	2
14.	7T2NX427	WEAR RING-ROD 2.50 ID X 0.50W HAL	2
15.	7R546025	U-CUP LOADED 2.50X3.00X.38 "B	1
16.	73054681	VALVE-CHECK PILOT/OPEN NONVENT	1
17.	60125699	LOCKING PIN	1
18.	9D142020	SEAL KIT (WAS 9C142020) (INCL 7-15,17)	1
REV. C 20120308			

CHAPTER 12

Electrical & Lighting

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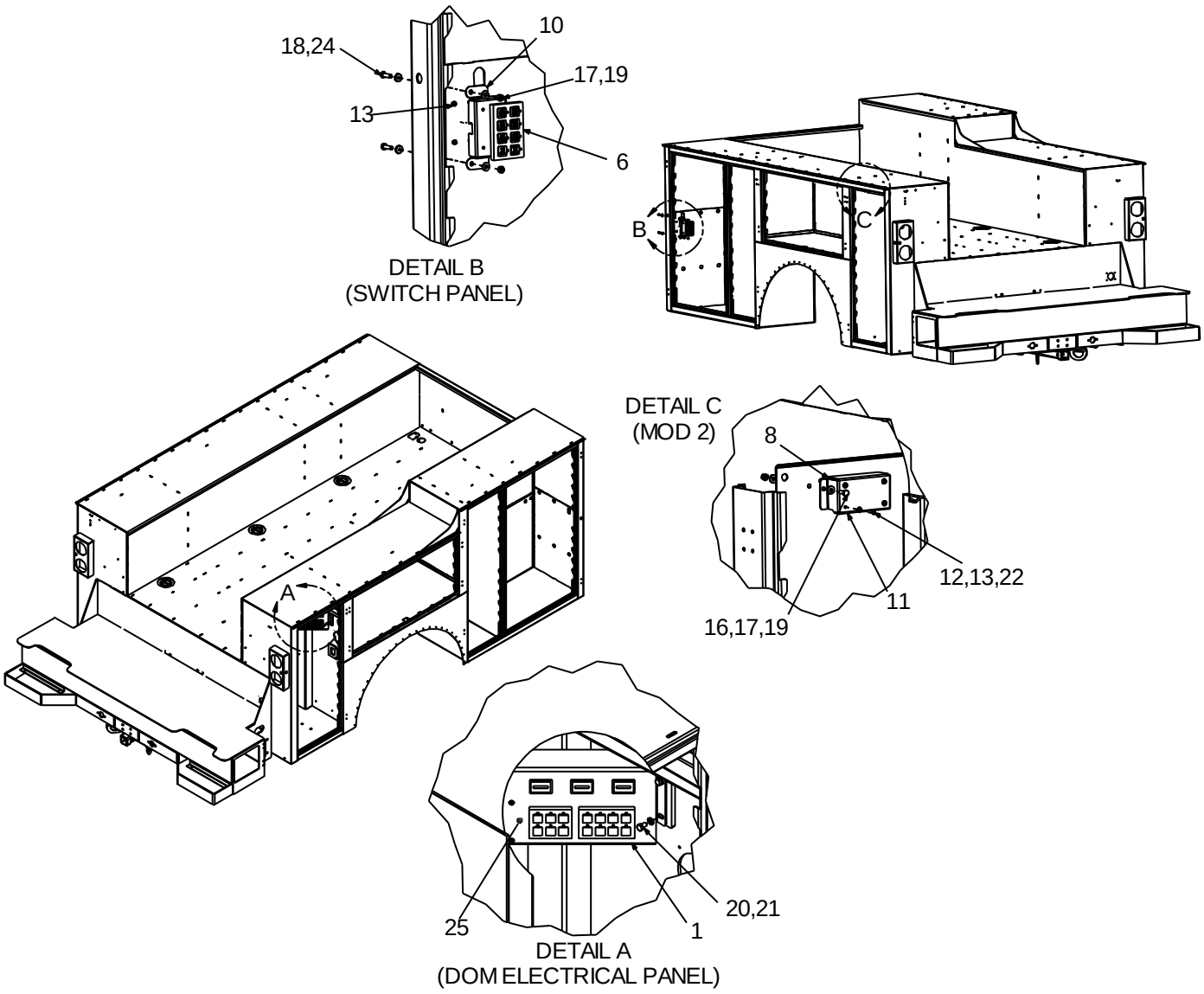
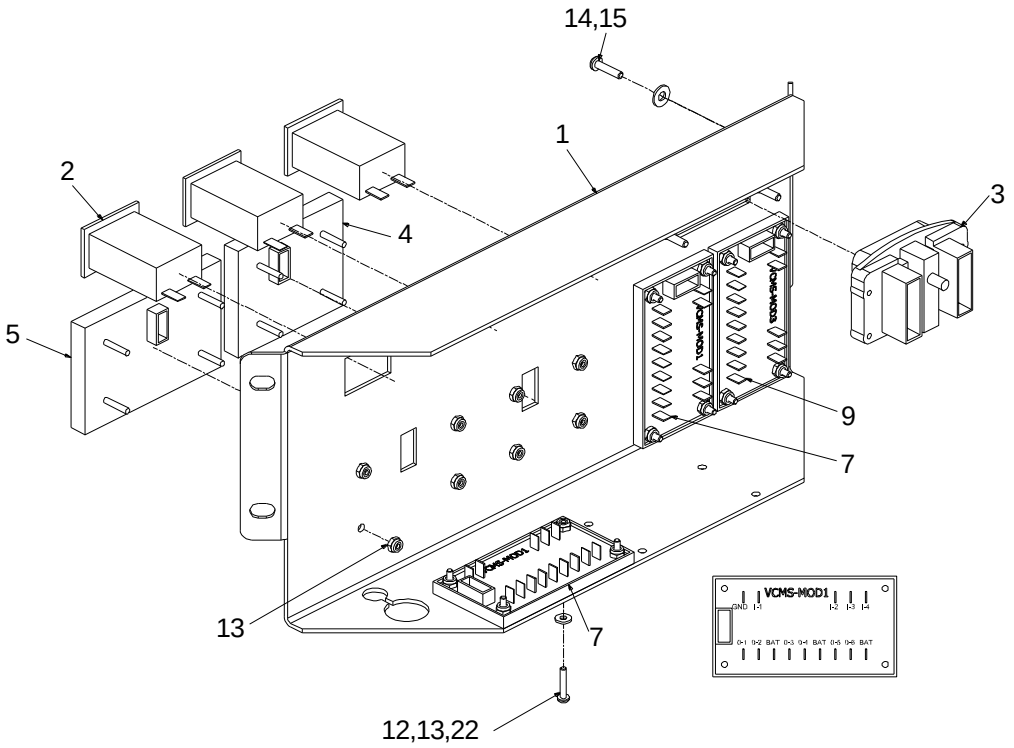
Electrical Panel, Dominator I-II (99905112)





NOTE:

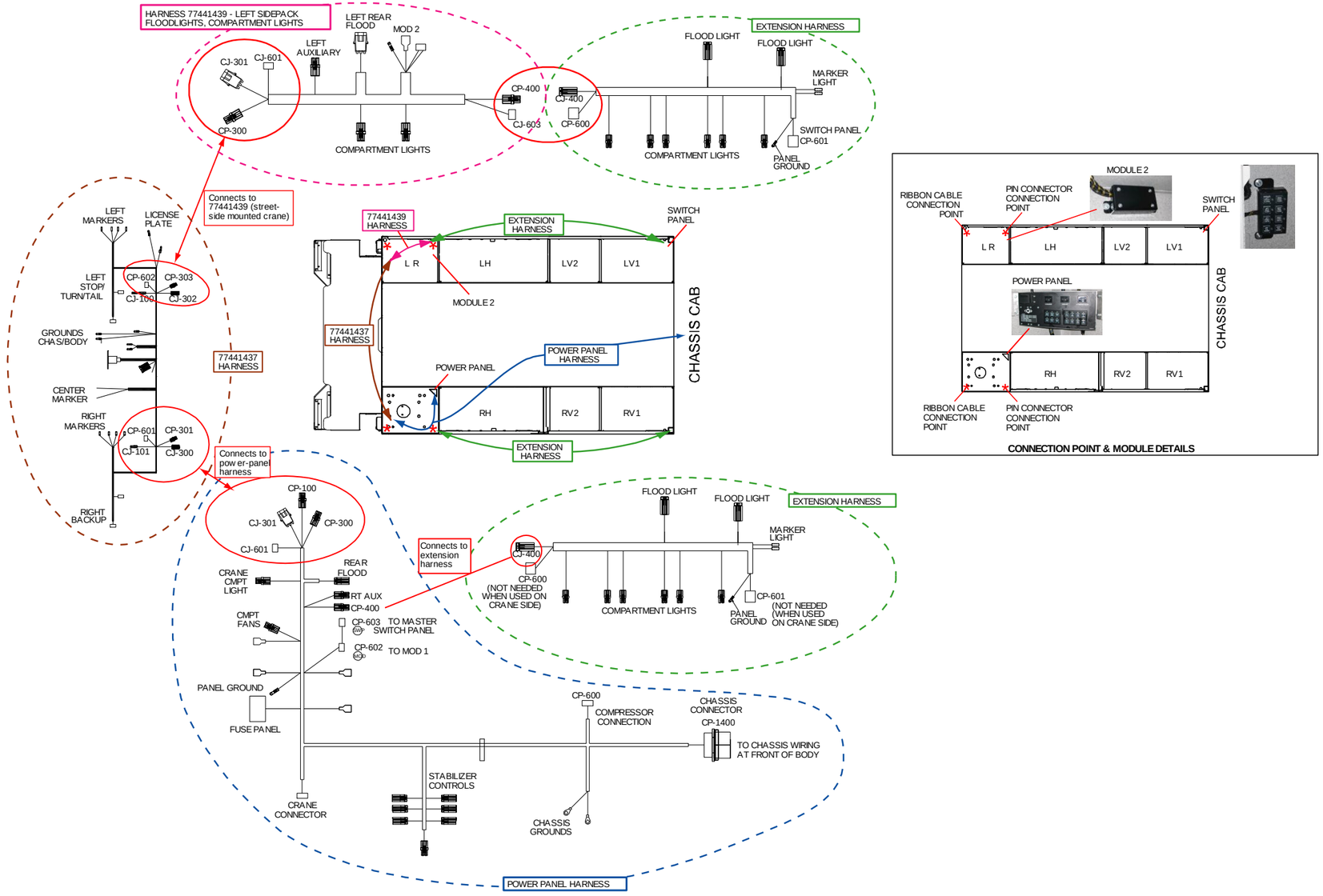
1 COVER ANY OPEN BATTERY TERMINALS ON POWER MODULES WITH 77040389 FLAG.

99905112 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	60136408	ELECTRICAL CONTROL PANEL (DOM 1-2)		1
2.	70733496	HOURMETER		3
3.	77441438	HARNESS, DOM POWER PANEL		1
4.	77041871	SWITCH PANEL	6 POSITION	1
5.	77041872	SWITCH PANEL	8 POSITION (MASTER)	1
6.	77041878	SWITCH PANEL	8 POSITION (SLAVE)	1
7.	77041874	POWER MODULE (1)		2
8.	77041875	POWER MODULE (2)		1
9.	77041877	POWER MODULE (3A)		1
10.	60136431	BRACKET-AUX SWITCH PANEL		1
11.	60136430	BRACKET-AUX POWER MODULE		1
12.	72601704	SCREW-MACHINERY	#6-32 X 0.75 ROUND HEAD	16
13.	72601726	NUT	6-32 HEX NYLOCK	28
14.	72060612	SCREW-MACHINERY	#8-32 X 3/4 ROUND HEAD	4
15.	72063181	WASHER-FLAT	#10 WRT TYPE 304 SS	4
16.	72060002	CAP SCREW	.25-20 X 0.75 HHGR5Z	2
17.	72063001	WASHER	.25 FLAT	6
18.	76392820	WASHER-BONDED PLATED	.25	2

99905112 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
19.	72062104	NUT	.25-20 HEX NYLOCK	4
20.	72060021	CAP SCREW	.31-18 X 0.50 HHGR5Z	4
21.	72063050	WASHER	.31 LOCK	4
22.	72601705	WASHER	#6 W FLAT ANSI B27.2	16
23.	77040389	TERMINAL	FSLPON I .25 FLAG 16-14 GA	4
24.	72060004	CAP SCREW	.25-20 X 1.00 HHGR5Z	2
25.	70399114	DECAL-ELECTRICAL PANEL		1
REV. A 20110920				

Wiring Installation (99905415)

HARNESS ROUTINGS & CONNECTION POINTS

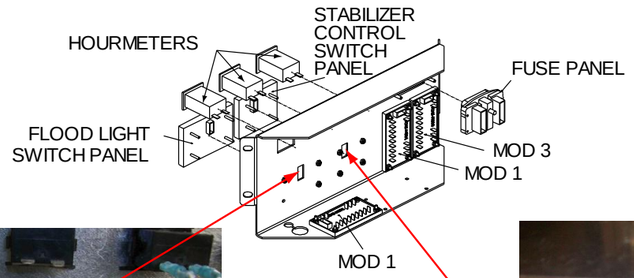


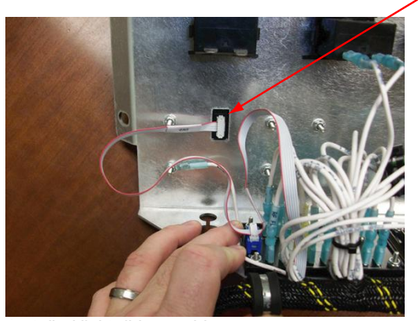
CONNECTION POINT & MODULE DETAILS

PANEL RIBBON CABLE INSTALLATION

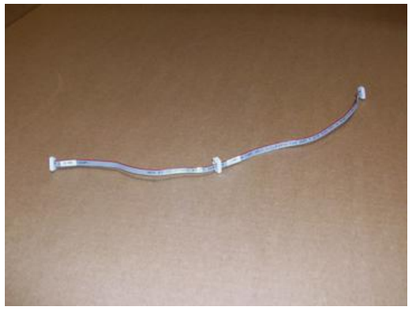
POWER PANEL

FRONT VIEW (Dom I-II Panel)

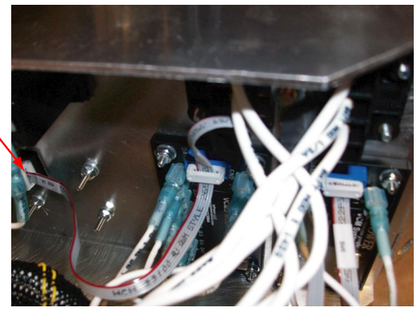




Installed light ribbon cable
The ribbon cable on the extension harness is part of the harness.
Light ribbon cable connects between switch panel,
Mod 1, and the harness.

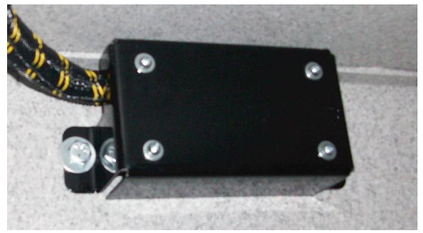


Loose stabilizer ribbon cable
(77441465 - Dom I- II)
(77441466 - Dom III- IV)

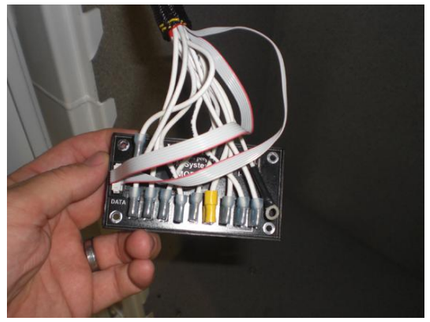


Installed stabilizer ribbon cable on Dom I-II.
The ribbon cable for the stabilizers is loose.
On Dom I-II, the stabilizer ribbon connects between the stabilizer switch panel, Mod 1 and Mod 3.
On Dom III-IV, the stabilizer ribbon connects between the stabilizer switch panel, Mod 1, Mod 2 and Mod 3.

NOTE: Views shown are for Dominator I-II. Dominator III-IV have power-out stabilizers and an additional stabilizer module, so there is additional wiring.



Installed Mod 2



Installed ribbon cable to Mod 2
(Located in the rear compartment
on the non-crane side)

NOTES:

1 The connection numbers define the type of connection. 100 series (i.e. C-101) means a 1-pin connector; 300 series (i.e. CP-301) means a 3-pin connector. 600-series (CJ-601) are the 6-pin ribbon cable connectors.

2 Ribbon cables connect to a module, or to each other at the front of the compartment. Pin connectors connect along the back of the compartment.

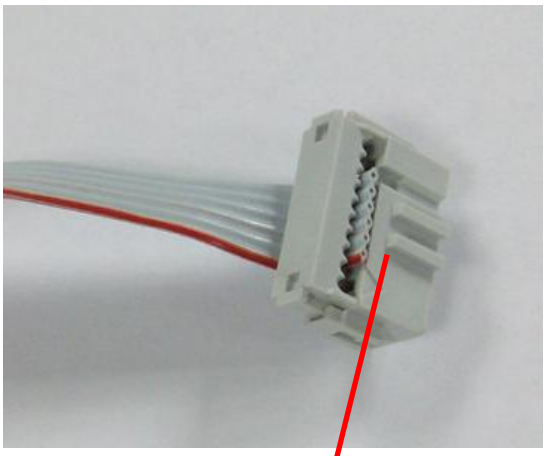
3 Connection points are defined for standard right-hand crane mount. Connection points will be reversed with left-hand crane mount.

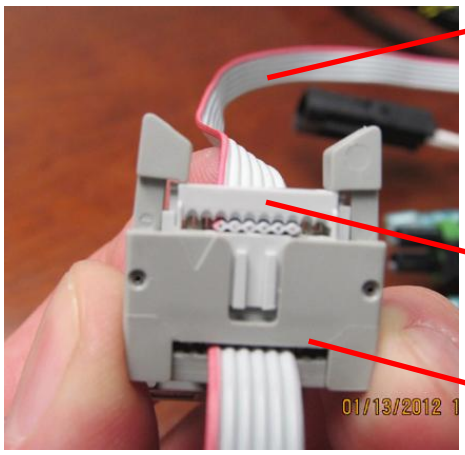
4 See graphics for pin connection and ribbon cable connection points.

5 See specific harness drawings for complete details on electrical connections and wire markings.

Harness to Harness Connection Chart				
Harness	**Connects to**	**Location of Connection**	**Connection Points**	
			77441437 Harness	**Power Panel Harness**
77441437-Rear Harness (Tail lights, Marker lights)	Power Panel Harness (77441438 - Dom I - II) (77441445 - Dom III-IV)	Crane compartment	CJ-101	CP-100
			CJ-300	CP-300
			CP-301	CJ-301
			CP-601	CJ-601
			Power Panel Harness	**Extension Harness**
Power Panel Harness (77441438 - Dom I - II) (77441445 - Dom III-IV)	Extension harness to front marker, flood lights (77441440 - 9') (77441441 - 11') (77441442 - 13' & 14') (77441443 - 19')	Front of crane compartment	CP-400	CJ-400
			Not used when connecting to extension harness	CP-600
			77441437 Harness	**77441439 Harness**
77441437-Rear Harness (Tail lights, Marker lights)	77441439-Left Sidepack (Left side flood lights, compartment lights)	Compartment opposite crane compartment	CJ-100	Not used when connecting to 77441439 harness
			CJ-302	CP-300
			CP-303	CJ-301
			CP-602	CJ-601
			77441439 Harness	**Extension Harness**
77441439-Left Sidepack	Extension harness to front marker, flood lights (77441440 - 9') (77441441 - 11') (77441442 - 13' & 14') (77441443 - 19')	Front of compartment opposite crane compartment	CP-400	CJ-400
			CJ-603	CP-600

Ribbon Cable Replacement Parts (99905415-2)





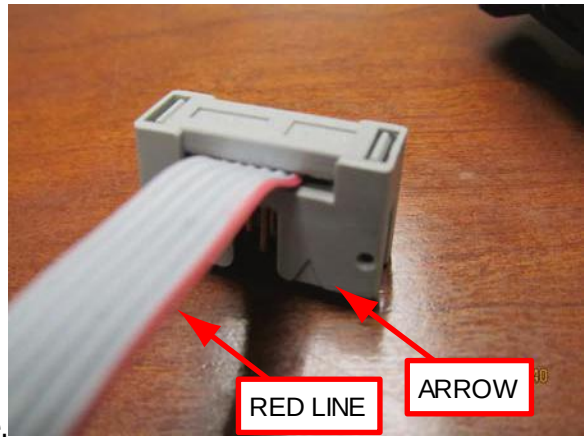
77441494

RIBBON CABLE REPLACEMENT PARTS	
77441493	CABLE-RIBBON 6-PIN
77441494	CONNECTOR-RIBBON (FEM)
77441495	PLUG-RIBBON CABLE (2 PC MALE)

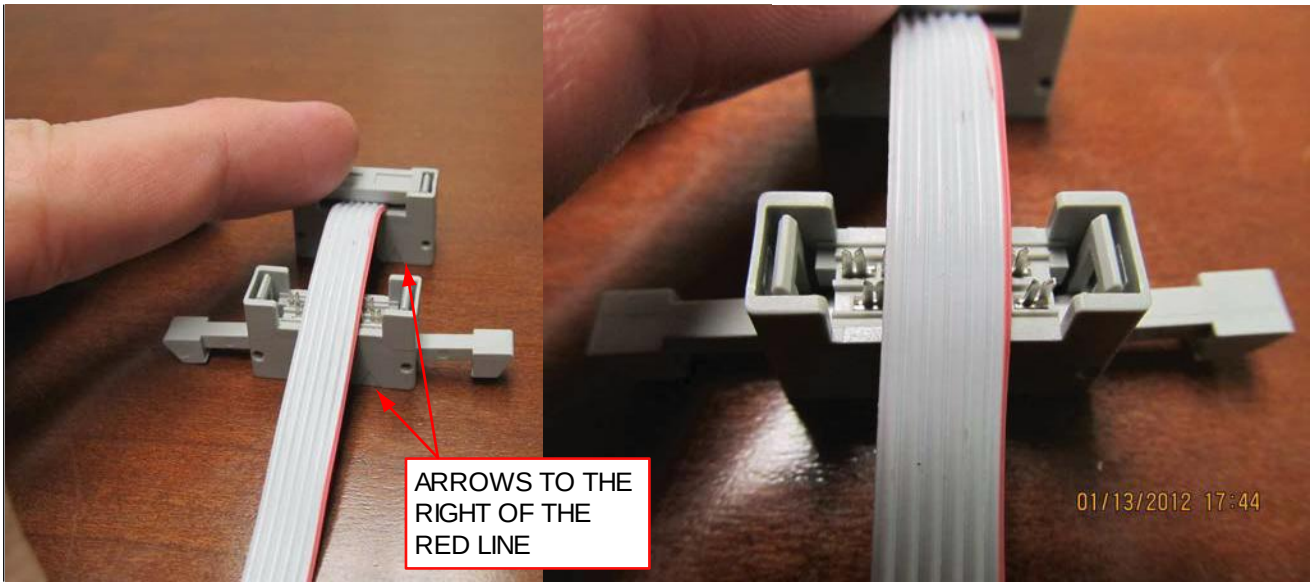
Ribbon Cable Connection Replacement Instructions

To replace the connection on a ribbon cable assembly:

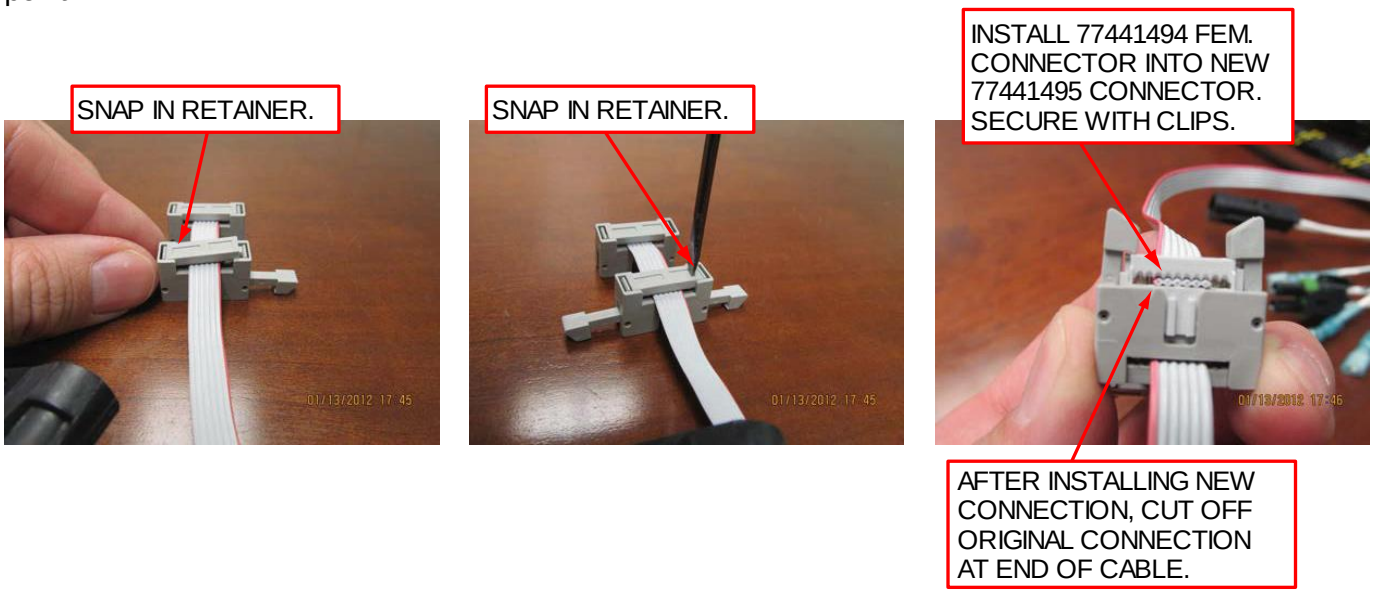
1 Identify the connection which requires replacement. Position the connection such that the red line and arrow are both on the right side.



2 Place the new ribbon cable plug (77441495) approximately 1" from the inside edge of the connection to be replaced. Center the ribbon cable in the plug. Keep the arrow on the same side of the red line as the original connection.



3 Install the new retainer into the plug as shown. Lock one side into the plug by hand, then press in the other side until it clicks into place. Snap the retainer into place to hold the plug and connector together. Cut off the original connection assembly and ribbon close to the new connection
point.

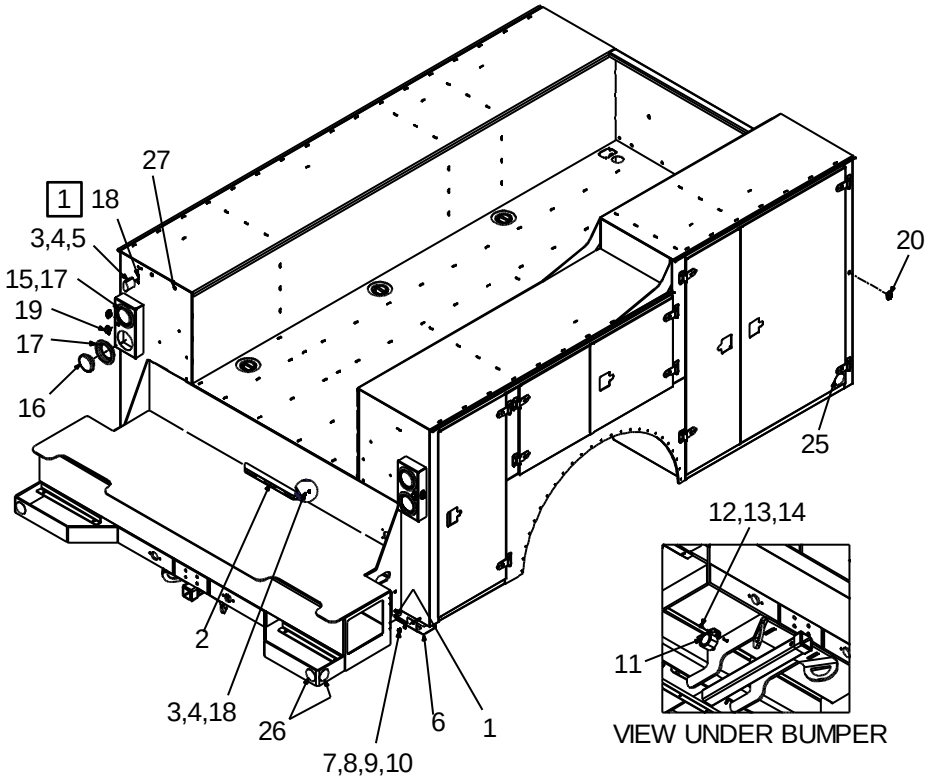

SNAP IN RETAINER.
SNAP IN RETAINER.
INSTALL 77441494 FEM. CONNECTOR INTO NEW 77441495 CONNECTOR. SECURE WITH CLIPS.
AFTER INSTALLING NEW CONNECTION, CUT OFF ORIGINAL CONNECTION AT END OF CABLE.

Dominator Electrical Troubleshooting

LIGHTING & AUXILIARY FUNCTIONS		
TROUBLESHOOTING STEPS	**DESIRED RESULT**	**RESOLUTION**
1) Verify that the vehicle ignition and e-brake are both ON.	Blue backlight for the lighting functions on the Dominator switch panel should be lit.	If blue backlight does not light, there is not operational power to the switch panel.
2) Press any light function on the Dominator switch panel.	If light function is getting a signal, a red LED should light above the switch.	If red LED does not light, check the fuses in the fuse panel at the front of the switch panel. Replace if required.
3) Move around the body, checking the ribbon cable between the braid	Unplug the ribbon cable connectors to isolate the faulty harness.	Connect if disconnected.
		Replace if pinched.

LIGHTING & AUXILIARY FUNCTIONS		
TROUBLESHOOTING STEPS	**DESIRED RESULT**	**RESOLUTION**
and the connector at each connection point. A fault at any point in the ribbon cable connection will cause the blue power panel backlight to turn off. Checking each ribbon cable connection will isolate the harness with the fault. Check the ribbon connections in the following order: A) Right rear sidepack - connection in the back corner between the 77441437 DOT harness and and power panel harness. B) Left rear sidepack - connection in the back corner between 77441437 DOT harness and and 77441439 left side harness. C) Left rear sidepack - connection in the front corner between 77441439 left side harness and the extension light harness.	If the blue backlight on the switch panel turns on once a harness is unplugged, the harness is good and the fault lies further downline from the tested harness. (Similar to a string of Christmas tree lights, where a single loose bulb can cause the entire string to go out.) Ribbon should be securely connected and not pinched. Be sure to reconnect the ribbon harness before moving to the next location.	If there is a fault in the ribbon cable on the lighting harness on the left (non-crane) side of the body, that cable can be swapped with the lighting harness on the right (crane) side of the body, as the crane side lighting harness does not use the ribbon cable signal.
4) Check the ribbon cable connection to the front switch panel, in the front left compartment.	Ribbon should be securely connected and not pinched.	Connect if disconnected. Replace if pinched.
5) Check the ribbon cable connection on the back of the power panel.	Ribbon should be securely connected and not pinched.	Connect if disconnected. Replace if pinched.
6) Test the modules in the panel, in the right rear compartment, and at the switch panel.	Replace any faulty module(s).	Contact IMT Technical Support for further assistance if the troubleshooting steps do not resolve the problem.
STABILIZER FUNCTIONS		
TROUBLESHOOTING STEPS	**DESIRED RESULT**	**RESOLUTION**
1) Verify that the vehicle ignition is ON; the e-brake is set; and the PTO is engaged.	Blue backlight for both the lighting functions and the stabilizer functions on the Dominator switch panel should be lit.	If neither blue backlight is lit, check the operational power to the switch as described above.
2) If blue backlight is lit for the lighting functions only, there may be a problem with the stabilizer modules on the switch panel. Remove the Dominator switch panel for further troubleshooting.	Check for secure connections on the stabilizer ribbon cable.	Secure connections if loose. Replace if pinched or damaged.
	Check the white PTO ground wire plugged into the vertical Mod 1 unit.	Secure connections if loose.
	Check the I-1 wire (white) on the vertical Mod 1 unit.	Secure connections if loose. If connections are secure, check for a 12v signal to the I-1 wire.
		If there is a 12v signal, replace the Mod 1 unit.
		Contact IMT Technical Support for further assistance if the troubleshooting steps do not resolve the problem.

Electrical Installation (99905307)



NOTES (SEE REFERENCE NUMBER IN BOX):

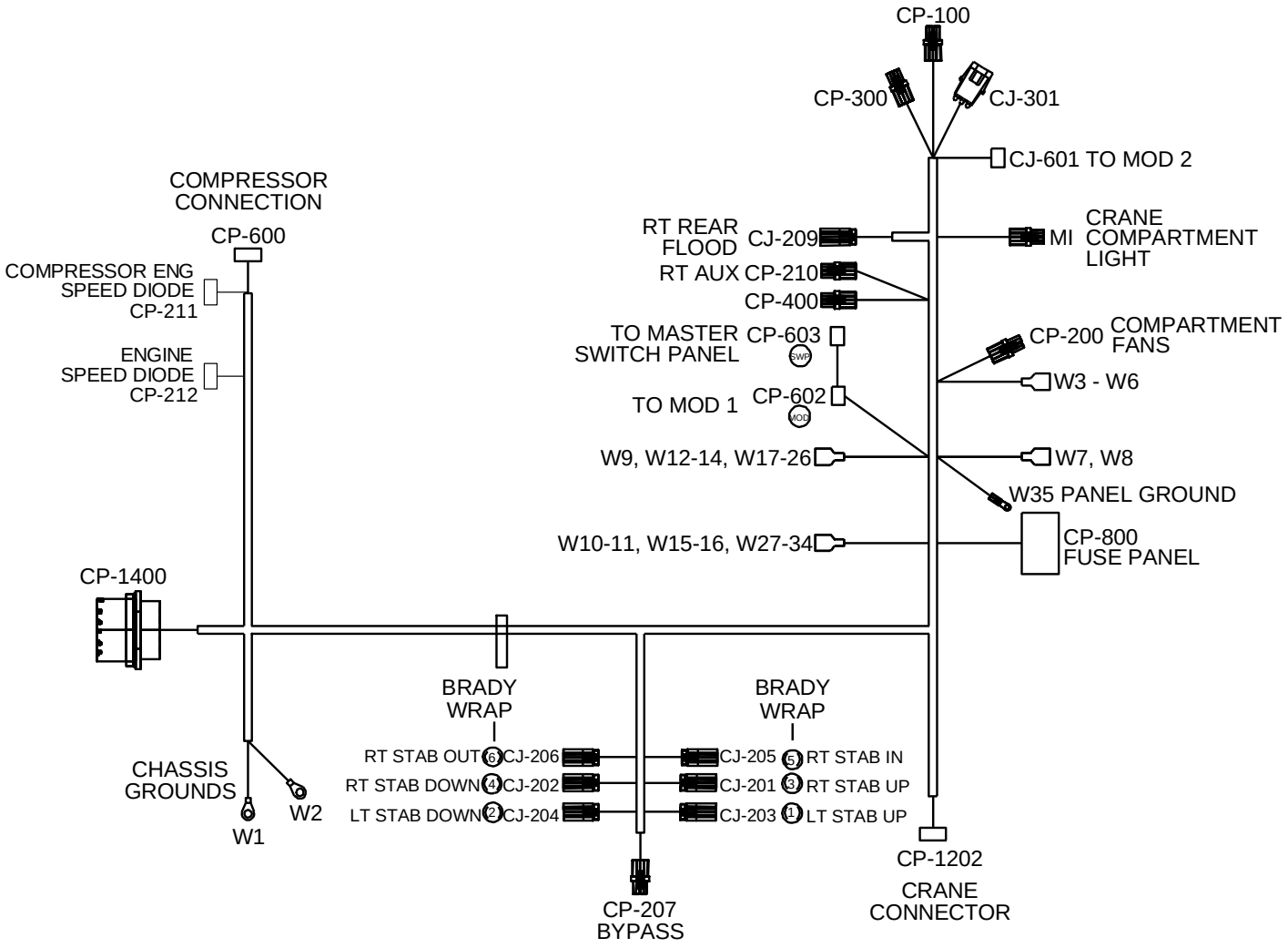
1 Terminate with 77044690, 77045887, and 70394069. Ground eyelet from harness to be attached to one of the screws.

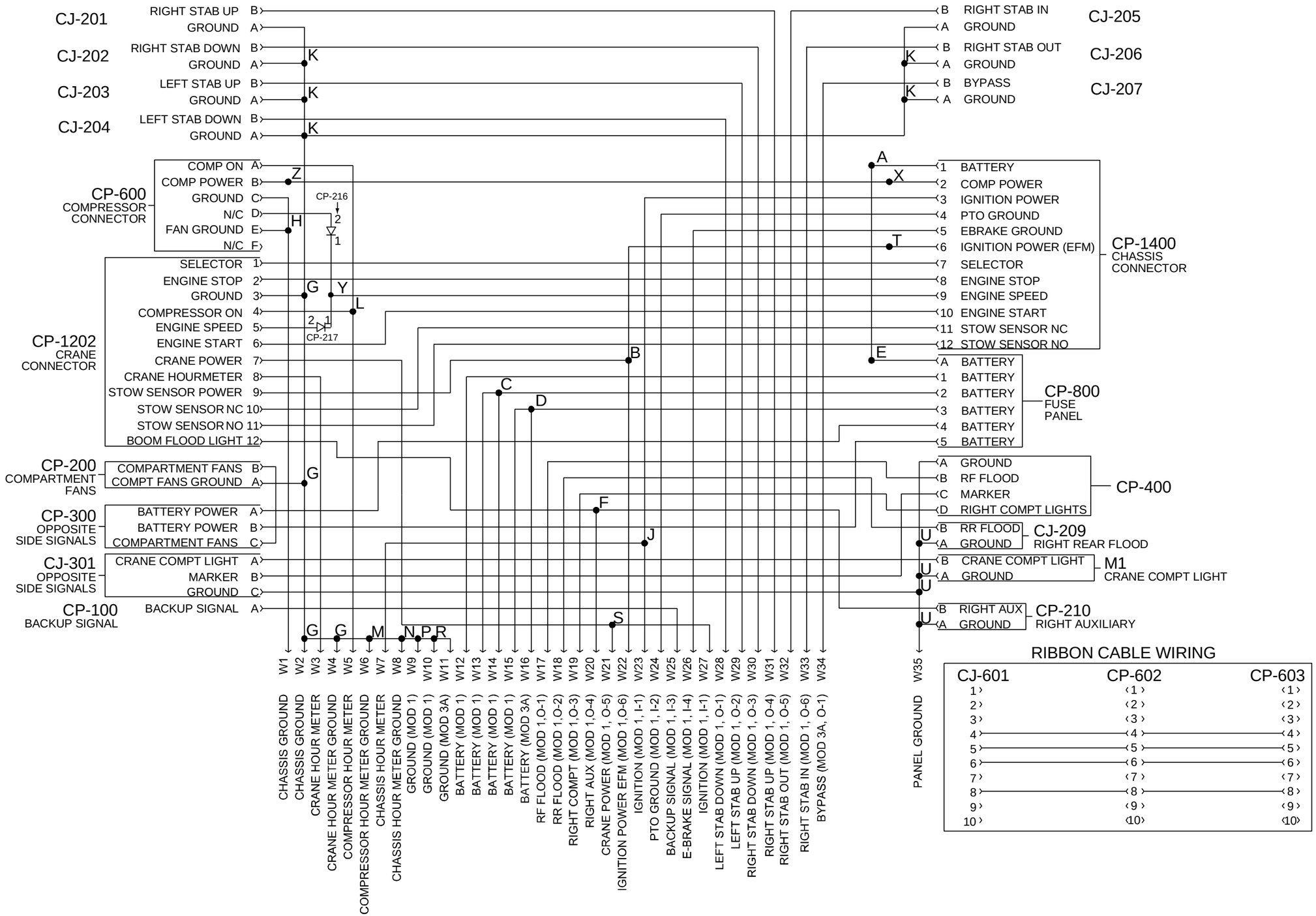
2 The chassis and body ground eyelets from the lighting harness must be attached to the chassis and body, respectively. The trailer ground eyelet must be attached with the body eyelet. Prepare frame and surfaces by grinding away paint. Use supplied 3/8" hardware and drill as necessary.

99905307 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
1.	89396626	EDGING-PLASTIC BLACK	DOM IV ONLY		AS REQUIRED
2.	77040483	LIGHT-3 BAR LED		#28	1
3.	72063000	WASHER	.19 W FLAT ANSI B27.2Z 5	#28	5
4.	72062106	NUT	10-24 HEX NYLOCK	#28	4
5.	77441004	LIGHT-LICENSE PLATE PLASTIC		#28	1
6.	60120705	MOUNTING BRACKET-WIRE HARNESS	DOM I - II		2
6.	60130829	MOUNTING BRACKET-WIRE HARNESS	DOM III - IV		2
7.	72060026	CAP SCREW	.31-18X 1.25 HH GR5 Z		6
8.	72063002	WASHER	.31 FLAT		6
9.	76392598	WASHER-BONDED PLATED	0.31		6
10.	72062109	NUT	.31-18 HEX NYLOCK		6
11.	77040020	ALARM-BACK UP HORN		#28	1
12.	72060005	CAP SCREW	.25-20X 1.25 HH GR5 Z	#28	2
13.	72063001	WASHER	.25 FLAT	#28	4

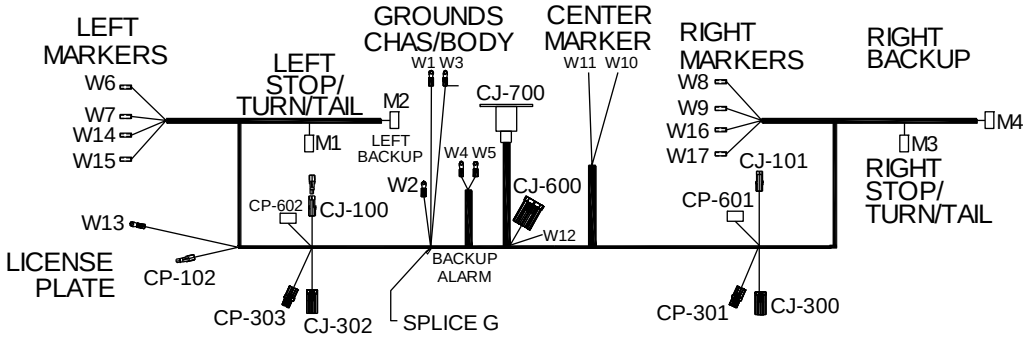
99905307 PARTS LIST					
ITEM	PART #	DESCRIPTION	DETAILS	KIT #	QUANTITY
14.	72062104	NUT	.25-20 HEX NYLOCK	#28	2
15.	77040493	LIGHT-STOP/TURN/TAIL LED	4 INCH	#28	2
16.	77040180	LIGHT-BACKUP CLEAR	4 INCH	#28	2
17.	76392275	GROMMET-RUBBER TAIL LIGHT	4 INCH	#28	4
18.	72060636	SCREW-MACH	#10-24X .75 RDH PH ZINC	#28	4
19.	77040570	LIGHT-CLEARANCE RED LED OVAL W/GROMMET		#28	4
20.	77040569	LIGHT-CLEARANCE AMBER LED OVAL W/GROMMET		#28	2
21.	72060047	CAP SCREW	.38-16X 1.25 HH GR5 Z	#28	2
22.	72063003	WASHER	.38 W FLAT ANSI B27.2Z	#28	2
23.	72063051	WASHER	.38 LOCK ZINC	#28	2
24.	72062103	NUT	.38-16 HEX NYLOC ZINC		2
25.	70039058	REFLECTOR-AMBER ROUND		#28	2
26.	70039057	REFLECTOR-RED ROUND		#28	4
27.	51715985	KIT-LICENSE PLATE HARDWARE		#28	1
28.	51723807	DOT CROSSOVER ELECTRICAL KIT			1
REV A 20120328					

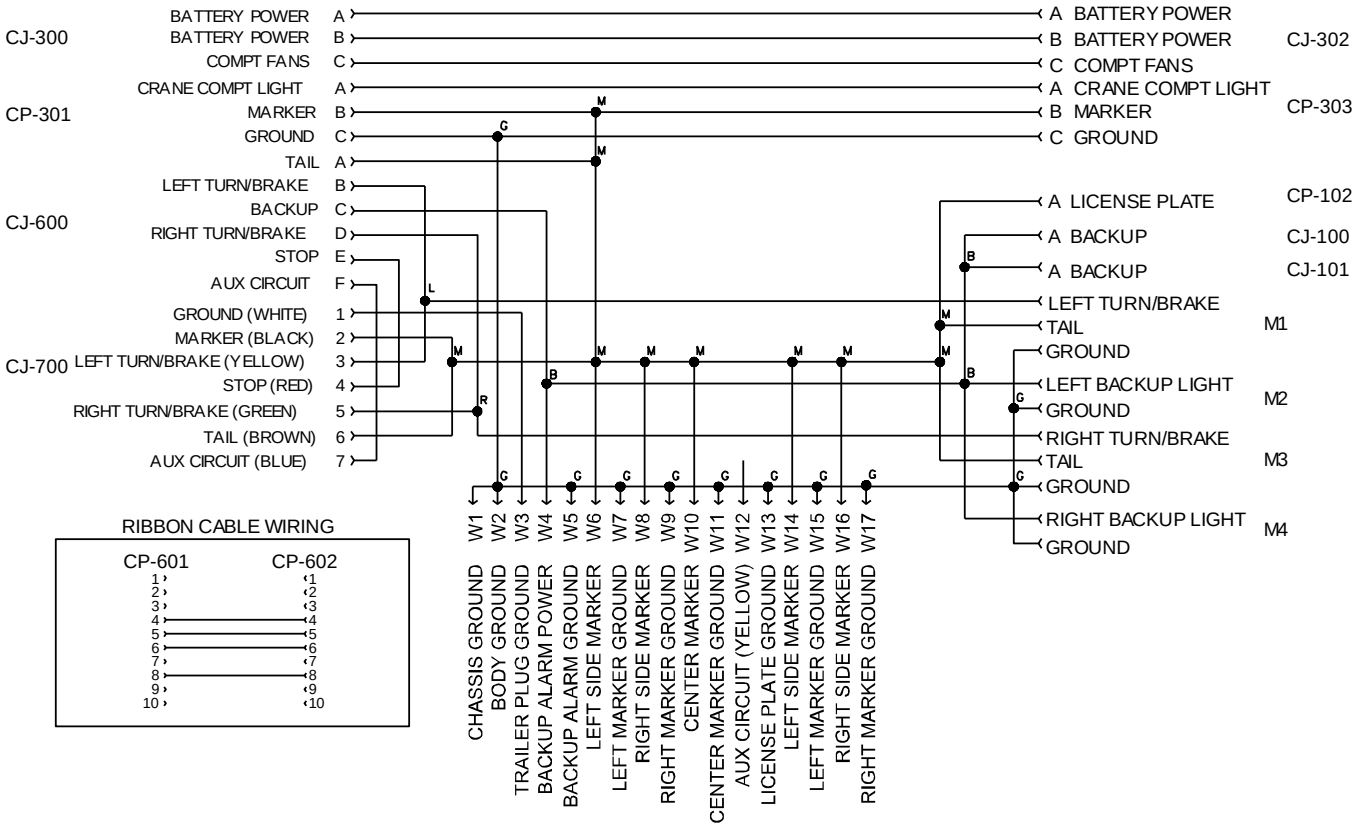
Electrical Harness, Power Panel, Dominator I-II (77441438)




CJ-201
CJ-202
CJ-203
CJ-204
RIGHT STAB UP B
GROUND A
RIGHT STAB DOWN B
GROUND A
LEFT STAB UP B
GROUND A
LEFT STAB DOWN B
GROUND A
CP-600
COMPRESSOR
CONNECTOR
COMP ON A
COMP POWER B
GROUND C
N/C D
FAN GROUND E
N/C F
CP-216
CP-1202
CRANE
CONNECTOR
SELECTOR 1
ENGINE STOP 2
GROUND 3
COMPRESSOR ON 4
ENGINE SPEED 5
ENGINE START 6
CRANE POWER 7
CRANE HOURMETER 8
STOW SENSOR POWER 9
STOW SENSOR NC 10
STOW SENSOR NO 11
BOOM FLOOD LIGHT 12
CP-217
CP-200
COMPARTMENT
FANS
COMPARTMENT FANS B
COMPT FANS GROUND A
CP-300
OPPOSITE
SIDE SIGNALS
BATTERY POWER A
BATTERY POWER B
COMPARTMENT FANS C
CJ-301
OPPOSITE
SIDE SIGNALS
CRANE COMPT LIGHT A
MARKER B
GROUND C
CP-100
BACKUP SIGNAL
BACKUP SIGNAL A
CJ-205
CJ-206
CJ-207
RIGHT STAB IN B
GROUND A
RIGHT STAB OUT B
GROUND A
BYPASS B
GROUND A
CP-1400
CHASSIS
CONNECTOR
1 BATTERY
2 COMP POWER
3 IGNITION POWER
4 PTO GROUND
5 EBRAKE GROUND
6 IGNITION POWER (EFM)
7 SELECTOR
8 ENGINE STOP
9 ENGINE SPEED
10 ENGINE START
11 STOW SENSOR NC
12 STOW SENSOR NO
CP-800
FUSE
PANEL
A BATTERY
1 BATTERY
2 BATTERY
3 BATTERY
4 BATTERY
5 BATTERY
CP-400
A GROUND
B RF FLOOD
C MARKER
D RIGHT COMPT LIGHTS
CJ-209
RIGHT REAR FLOOD
B RR FLOOD
A GROUND
M1
CRANE COMPT LIGHT
B CRANE COMPT LIGHT
A GROUND
CP-210
RIGHT AUXILIARY
B RIGHT AUX
A GROUND
W1 CHASSIS GROUND
W2 CHASSIS GROUND
W3 CRANE HOUR METER
W4 CRANE HOUR METER GROUND
W5 COMPRESSOR HOUR METER
W6 COMPRESSOR HOUR METER GROUND
W7 CHASSIS HOUR METER
W8 CHASSIS HOUR METER GROUND
W9 GROUND (MOD 1)
W10 GROUND (MOD 1)
W11 GROUND (MOD 3A)
W12 BATTERY (MOD 1)
W13 BATTERY (MOD 1)
W14 BATTERY (MOD 1)
W15 BATTERY (MOD 1)
W16 BATTERY (MOD 3A)
W17 RF FLOOD (MOD 1,O-1)
W18 RR FLOOD (MOD 1,O-2)
W19 RIGHT COMPT (MOD 1,O-3)
W20 RIGHT AUX (MOD 1,O-4)
W21 CRANE POWER (MOD 1, O-5)
W22 IGNITION POWER EFM (MOD 1,O-6)
W23 IGNITION (MOD 1, I-1)
W24 PTO GROUND (MOD 1, I-2)
W25 BACKUP SIGNAL (MOD 1, I-3)
W26 E-BRAKE SIGNAL (MOD 1, I-4)
W27 IGNITION (MOD 1, I-1)
W28 LEFT STAB DOWN (MOD 1, O-1)
W29 LEFT STAB UP (MOD 1, O-2)
W30 RIGHT STAB DOWN (MOD 1, O-3)
W31 RIGHT STAB UP (MOD 1, O-4)
W32 RIGHT STAB OUT (MOD 1, O-5)
W33 RIGHT STAB IN (MOD 1, O-6)
W34 BYPASS (MOD 3A, O-1)
W35 PANEL GROUND
RIBBON CABLE WIRING
CJ-601 CP-602 CP-603
1 1 1
2 2 2
3 3 3
4 4 4
5 5 5
6 6 6
7 7 7
8 8 8
9 9 9
10 10 10

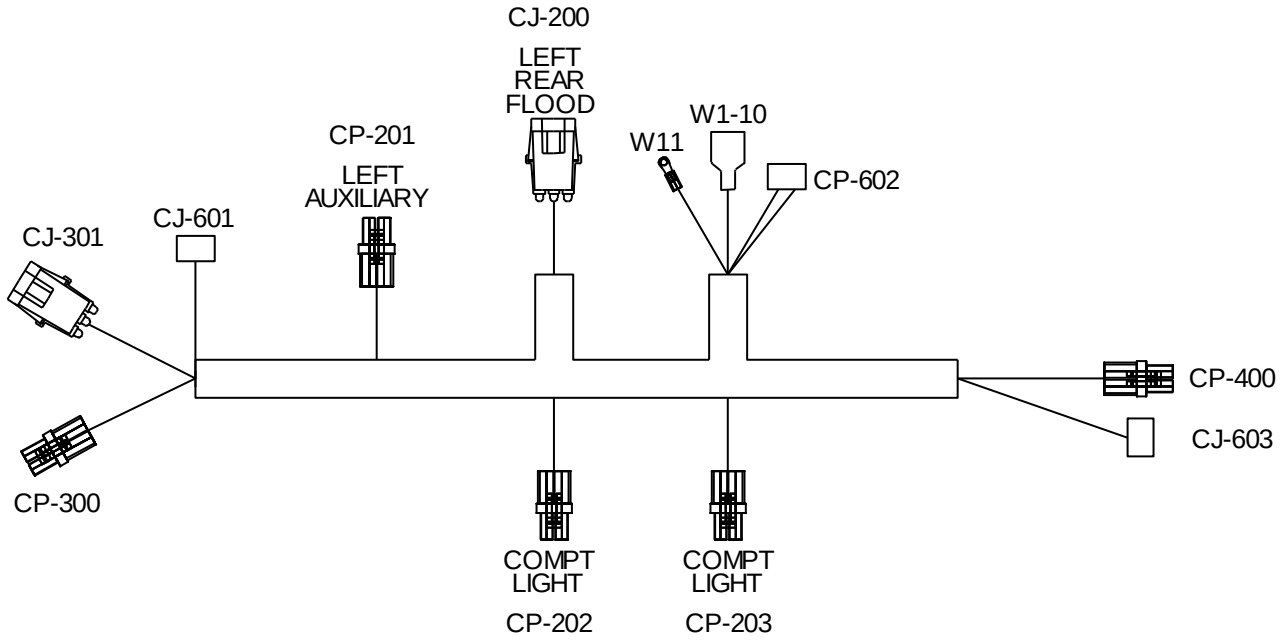
Electrical Harness- Rear Body Lights (77441437)

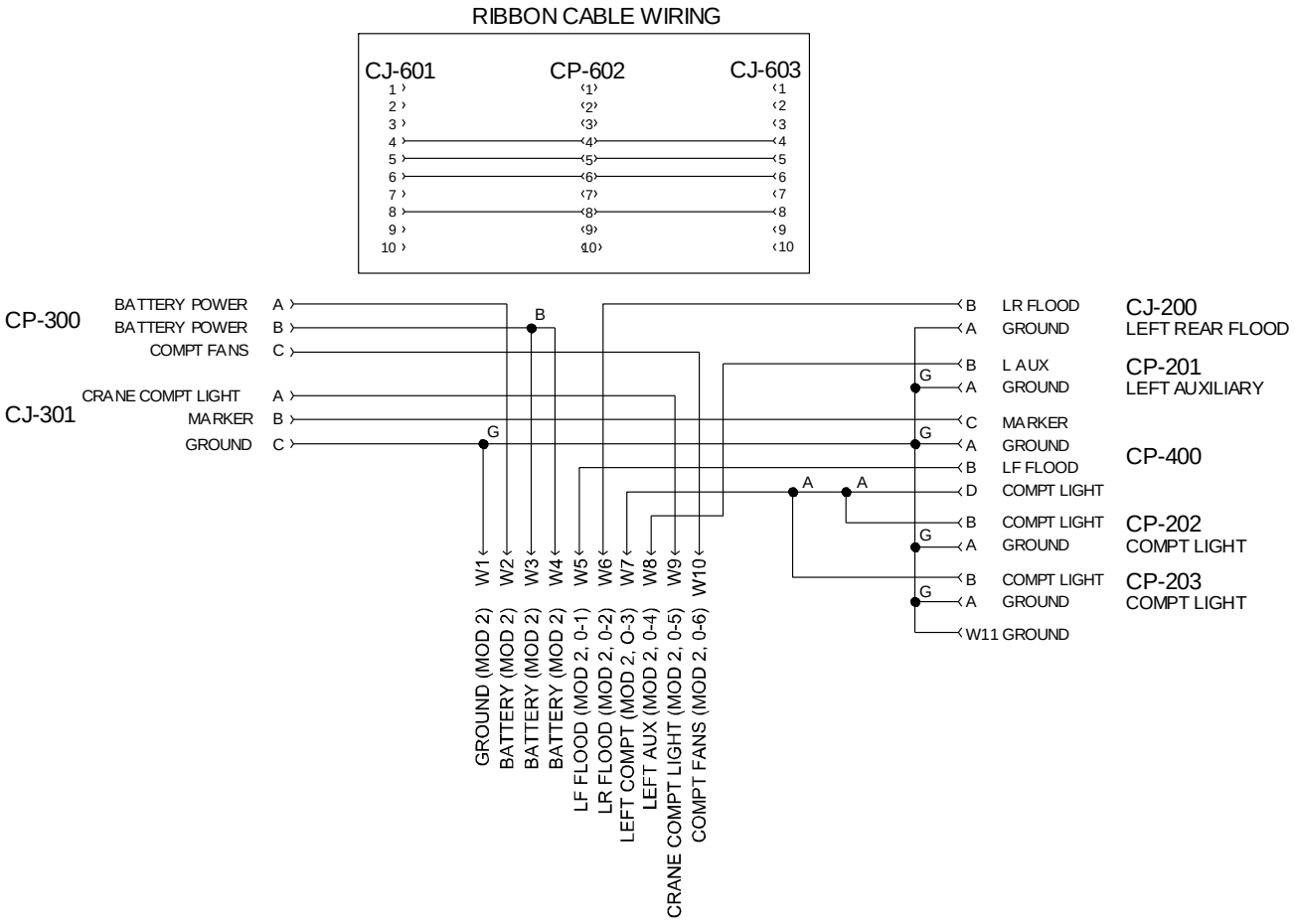




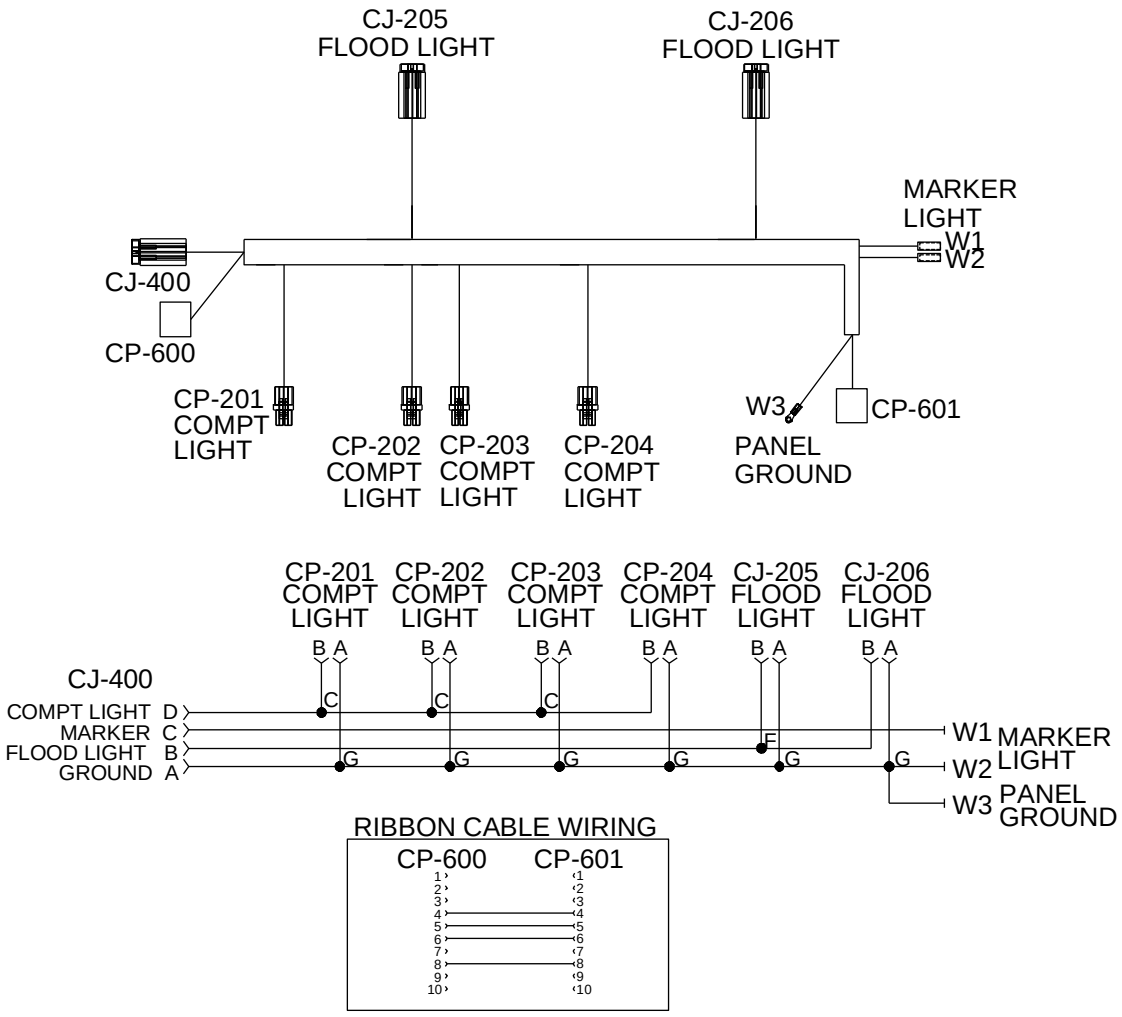
RIBBON CABLE WIRING

Electrical Harness, Left Sidepack (77441439)

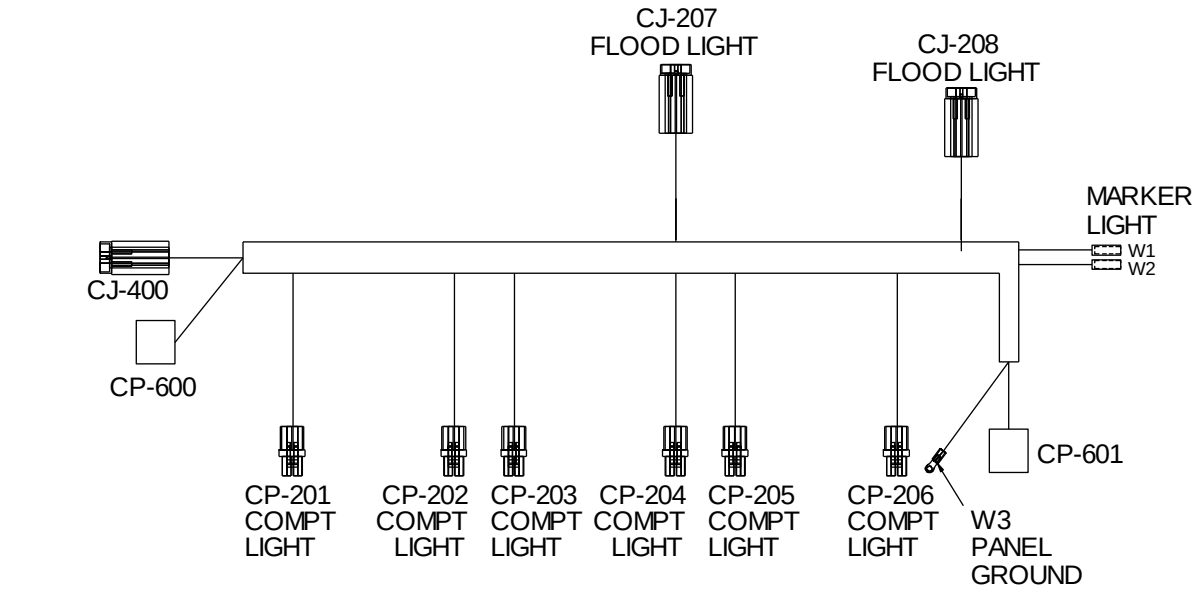


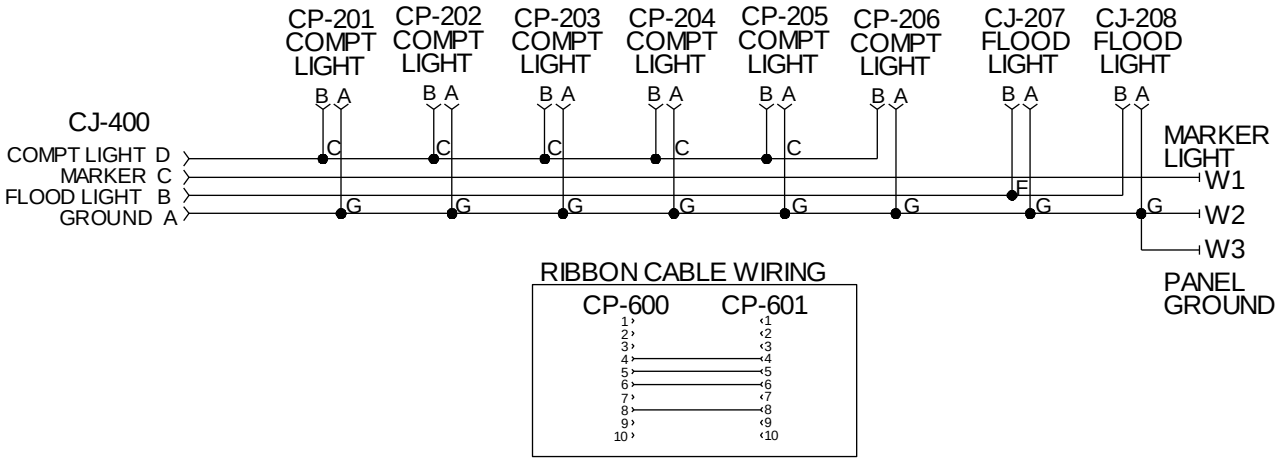

RIBBON CABLE WIRING
CJ-601
CP-602
CJ-603
CP-300
BATTERY POWER
BATTERY POWER
COMPT FANS
CJ-301
CRANE COMPT LIGHT
MARKER
GROUND
LR FLOOD
GROUND
L AUX
GROUND
MARKER
GROUND
LF FLOOD
COMPT LIGHT
COMPT LIGHT
GROUND
COMPT LIGHT
GROUND
W11 GROUND
CJ-200
LEFT REAR FLOOD
CP-201
LEFT AUXILIARY
CP-400
CP-202
COMPT LIGHT
CP-203
COMPT LIGHT
W1 GROUND (MOD 2)
W2 BATTERY (MOD 2)
W3 BATTERY (MOD 2)
W4 BATTERY (MOD 2)
W5 LF FLOOD (MOD 2, 0-1)
W6 LR FLOOD (MOD 2, 0-2)
W7 LEFT COMPT (MOD 2, O-3)
W8 LEFT AUX (MOD 2, 0-4)
W9 CRANE COMPT LIGHT (MOD 2, 0-5)
W10 COMPT FANS (MOD 2, 0-6)

9' Dom Harness, Flood & Marker Lights (77441440)

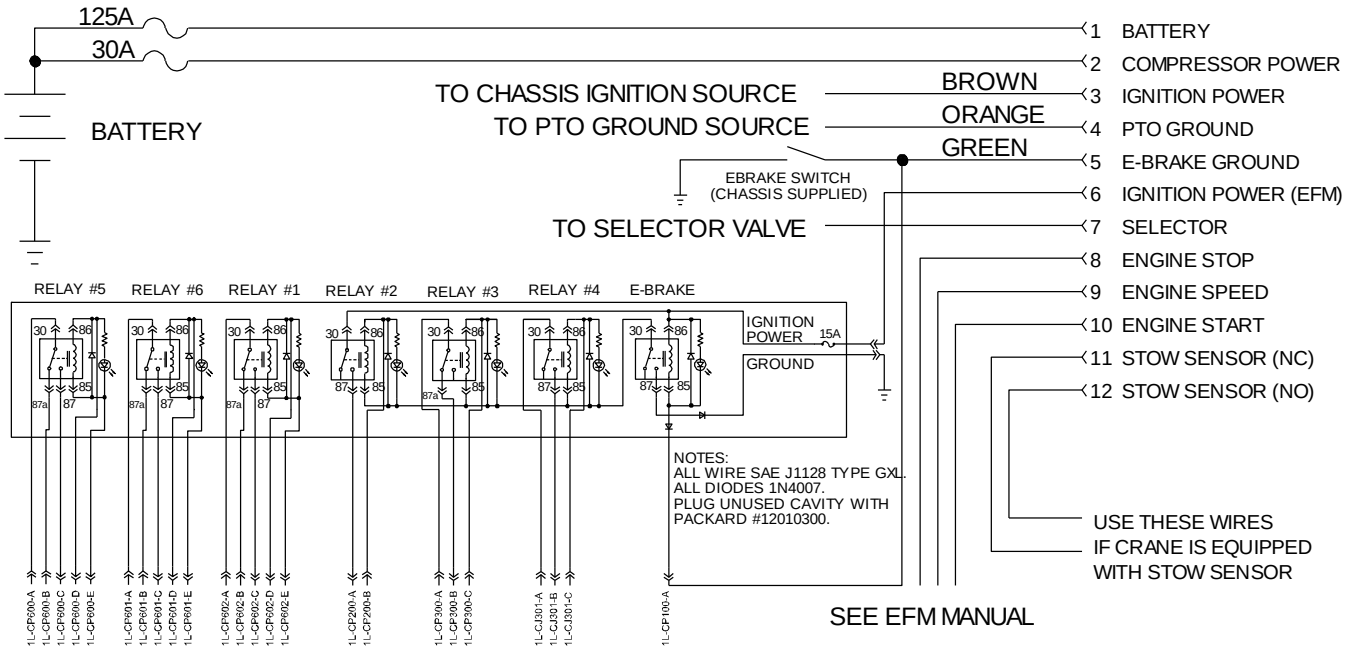


11' Dom Harness, Flood & Marker Lights (77441441)



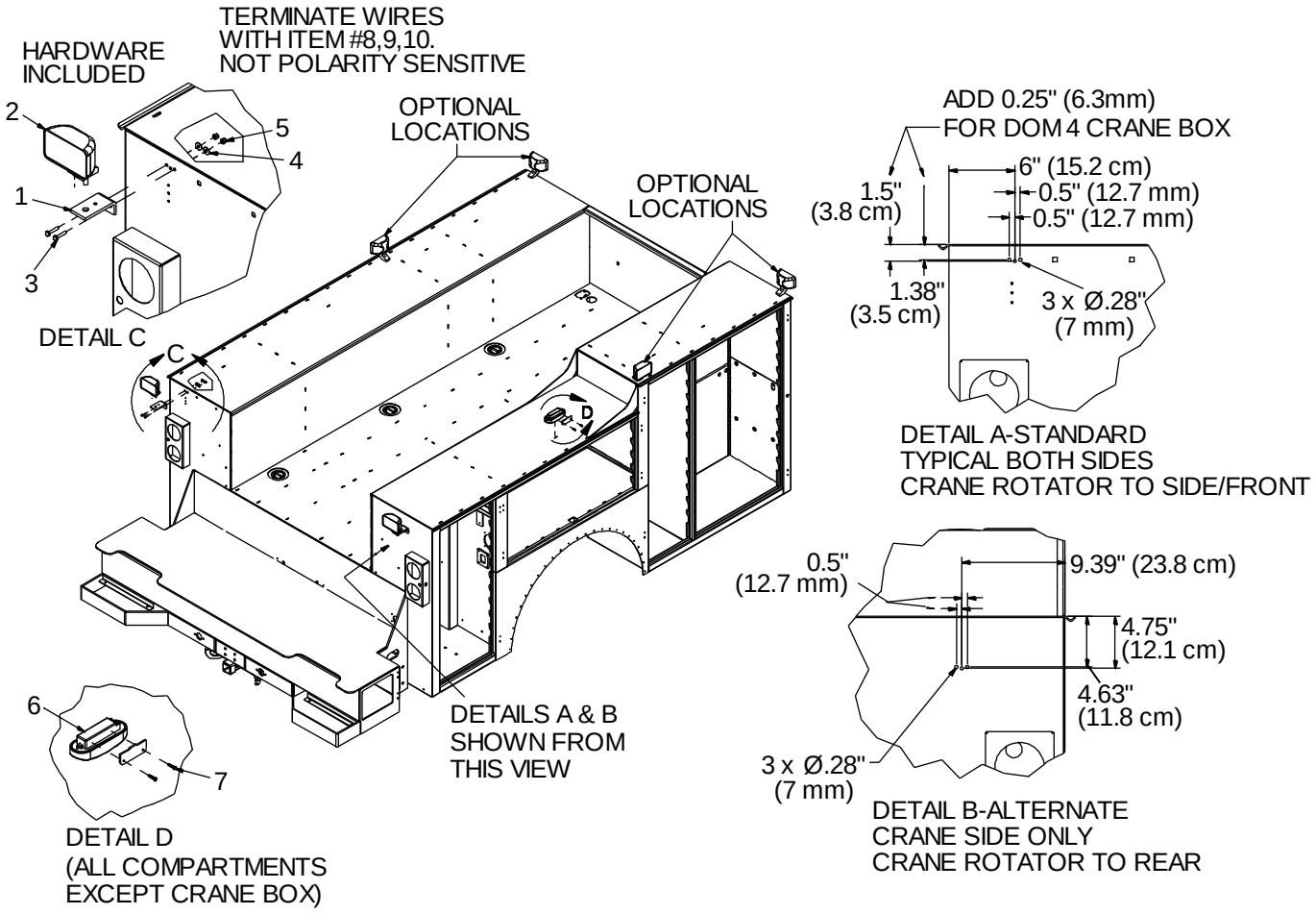


Chassis Interface Installation (99905369)



NEW 20111202

Compartment / Flood Light Installation (99905266)


HARDWARE INCLUDED
TERMINATE WIRES WITH ITEM #8,9,10. NOT POLARITY SENSITIVE
OPTIONAL LOCATIONS
OPTIONAL LOCATIONS
DETAIL C
DETAILS A & B SHOWN FROM THIS VIEW
DETAIL D (ALL COMPARTMENTS EXCEPT CRANE BOX)
ADD 0.25" (6.3mm) FOR DOM 4 CRANE BOX
6" (15.2 cm)
0.5" (12.7 mm)
0.5" (12.7 mm)
1.5" (3.8 cm)
1.38" (3.5 cm)
3 x Ø.28" (7 mm)
DETAIL A-STANDARD TYPICAL BOTH SIDES CRANE ROTATOR TO SIDE/FRONT
0.5" (12.7 mm)
9.39" (23.8 cm)
4.75" (12.1 cm)
4.63" (11.8 cm)
3 x Ø.28" (7 mm)
DETAIL B-ALTERNATE CRANE SIDE ONLY CRANE ROTATOR TO REAR

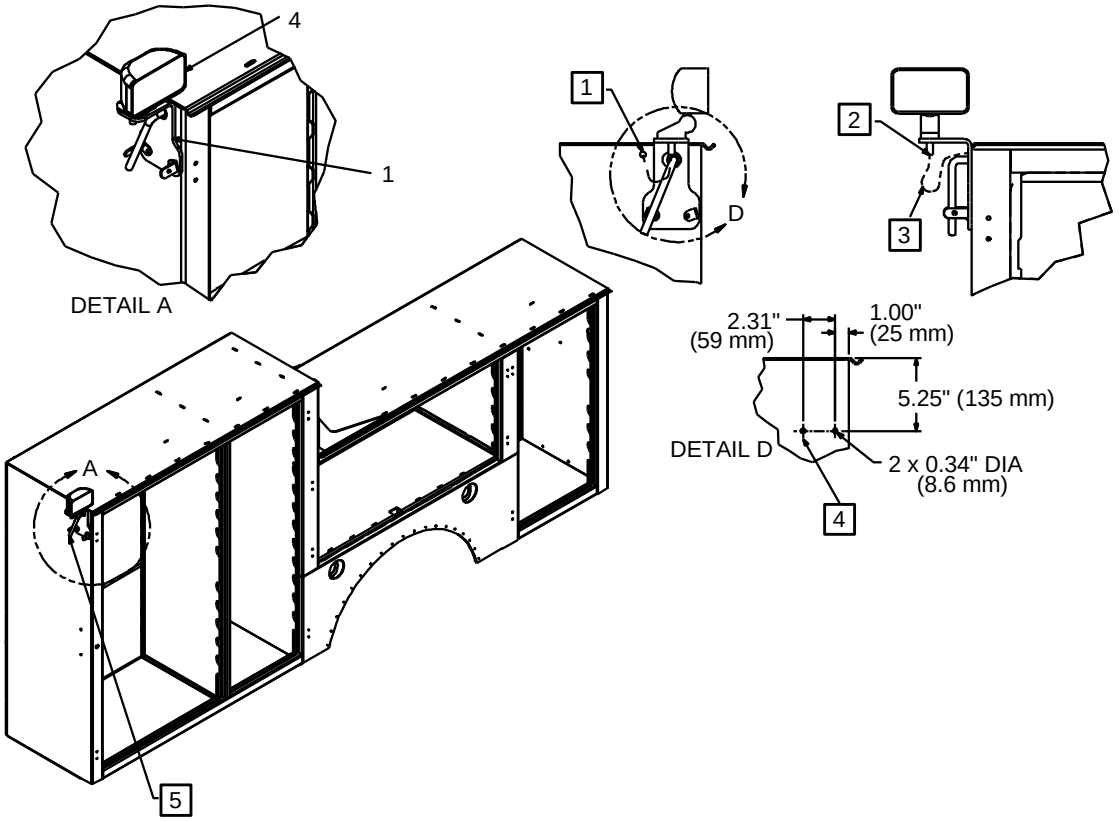
NOTE:

3 Crane box includes crane compartment light kit # 51724514.

99905266 PARTS LIST							
ITEM	PART #	DESCRIPTION	DETAILS	51723853	51723828	51723829	51719195
				COMPT LIGHTS (6)	COMPT LIGHTS (8)	COMPT. LIGHTS (10)	FLOODLIGHT KIT (2 LIGHTS)
		BODY SIZE		9'	DOM2 11'; DOM3 13'; DOM4 14'	DOM2 13', 14'; DOM4 19'	
1.	60117375	BRACKET-FLOODLIGHT REAR SIDEPACK	12V	2	2	2	
2.	77040424	FLOODLIGHT-COMPOSITE WORK LAMP		2	2	2	2

99905266 PARTS LIST							
ITEM	PART #	DESCRIPTION	DETAILS	51723853	51723828	51723829	51719195
3.	72060004	CAP SCREW	.25-20X 1.00 HH GR5Z	4	4	4	4
4.	72063001	WASHER	.25 FLAT	4	4	4	4
5.	72062104	NUT	.25-20 NYLOC	4	4	4	4
6.	77040384	LIGHT-COMPARTMENT	12V 2.1AMP	5	7	9	
7.	72061100	SCREW-SELF TAP	#10X .50 HH SLOT Z	10	14	18	
8.	77044574	CONNECTOR-2 CAVITY TOWER		2	2	2	2
9.	77045888	TERMINAL	14-16GA FEMALE	4	4	4	4
10.	77044927	CABLE SEAL	14 GA GREY	4	4	4	4
REV C 20120222							

Installation, Front Flood Light Bracket (99905305)



NOTES (SEE REFERENCE NUMBER IN BOX):

1 Drill hole the same size as the wire harness. Wire must enter compartment along side of bracket. Seal finished opening with caulk.

2 Route wire through base of flood light.

3 Create "drip loop" before wire enters compartment.

4 Drill holes to mount light bracket. Holes will also align with the hole pattern for a masterlock kit.

5 Master lock parts shown only for reference.

99905305 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	60138395	BRACKET-FLOOD LIGHT		1
2.	70034277	GROMMET-POLY	.52ID GR-5/8-UL 1	1
3.	60127755	ROD-MASTER LOCK	60.00 X 6.00	1
4.	77040424	FLOODLIGHT-TOP MOUNT		1
5.	76399343	GROMMET-RUBBER		1
6.	60138970	BRACKET-PADLOCK (ONE PIECE)		1
REV B 20120523				

LED Light Kits

	21" LED Light Bar 77040574	31" LED Light Bar 77040592	42" LED Light Bar 77040593	Total Lights	LIGHT KIT #
DOM1-9' Standard	4	6	0	10	51724358
DOM1-9' Right Front Raised	4	4	2	10	51724359
DOM1-11' Standard	4	10	0	14	51724360
DOM1-11' Right Front Raised	4	6	4	14	51724361
DOM1-11' Left Front Raised	4	6	4	14	51724361
DOM1-11' Right & Left Front Raised	4	2	8	14	51724362
DOM1-11' All Raised	0	4	10	14	51724363

Service Reference - 51723811 Light Kit includes 77040574 (21" LED Light Bar) - 4; 77040575 (36" LED Light Bar) - 6; 77040576 (45" LED Light Bar) - 4

CHAPTER 13

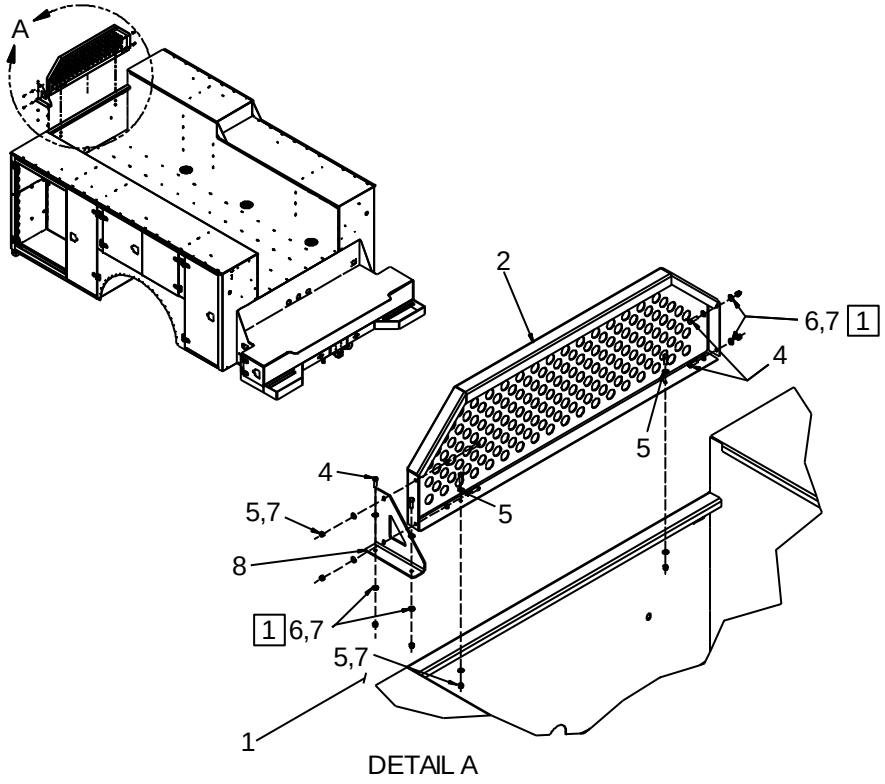
Miscellaneous Options

In This Chapter

Headache Rack (99905201) 165
Headache Rack (99905361) 167
Salvage Installation Kit (99905243) 168
Master Lock System Drawing (99903665) 173
Dominator I Master Lock Kits 176
Ladder Installation (99905129) 177
Ladder Assembly (52723864) 178

Headache Rack (99905201)

NOTE: Headache rack installation with CAS435HA, CAS3560 and CAS2545 compressors.



DETAIL A

NOTES (SEE REFERENCE NUMBER IN BOX):

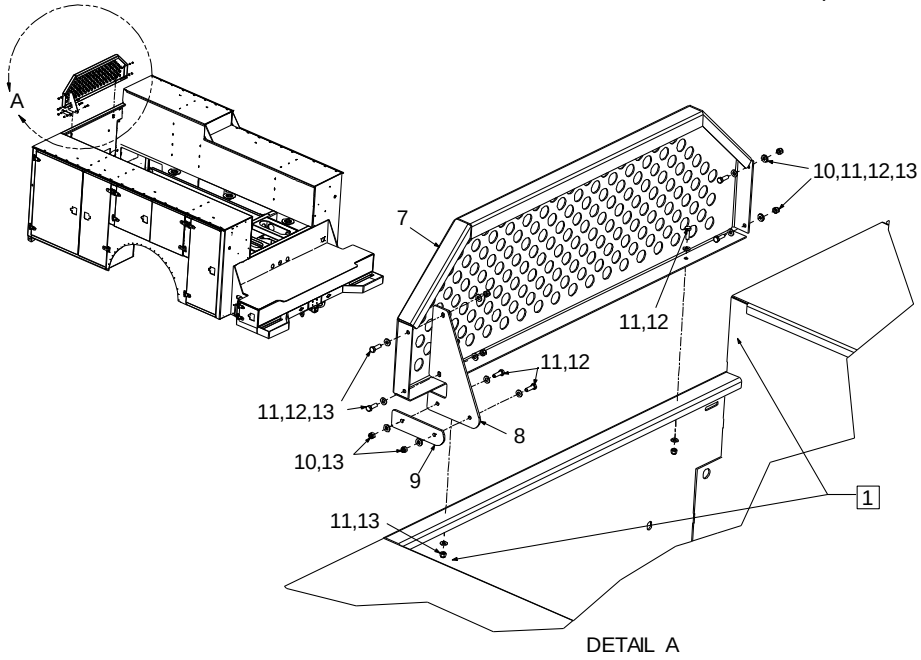
1 USE BONDED WASHERS WHEN ATTACHING TO SIDEPACK.

2 AT ASSEMBLY, DRILL 0.38" (0.96 cm) DIAMETER HOLES TO PERMIT FASTENING OF HEADACHE RACK.

99905201 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	N/A	BODY, DOM2 II'		REF
2.	52718845	HEADACHE RACK, BOLT-ON		AS REQ'D
4.	72060025	CAP SCREW	.31-18 X 1.00 HHGR5Z	AS REQ'D
5.	72063002	WASHER	.31 FLAT	AS REQ'D
6.	76392598	WASHER-BONDED PLATED	.31	AS REQ'D
7.	72062109	NUT	.31-18 HEX NYLOCK	AS REQ'D
8.	60137615	BRACKET-LEFT		AS REQ'D
9.	60137616	BRACKET-RIGHT		AS REQ'D
REV A 20110525				

Headache Rack (99905361)

NOTE: Headache rack installation with CAS40P, CAS45R and CAS60R compressors.



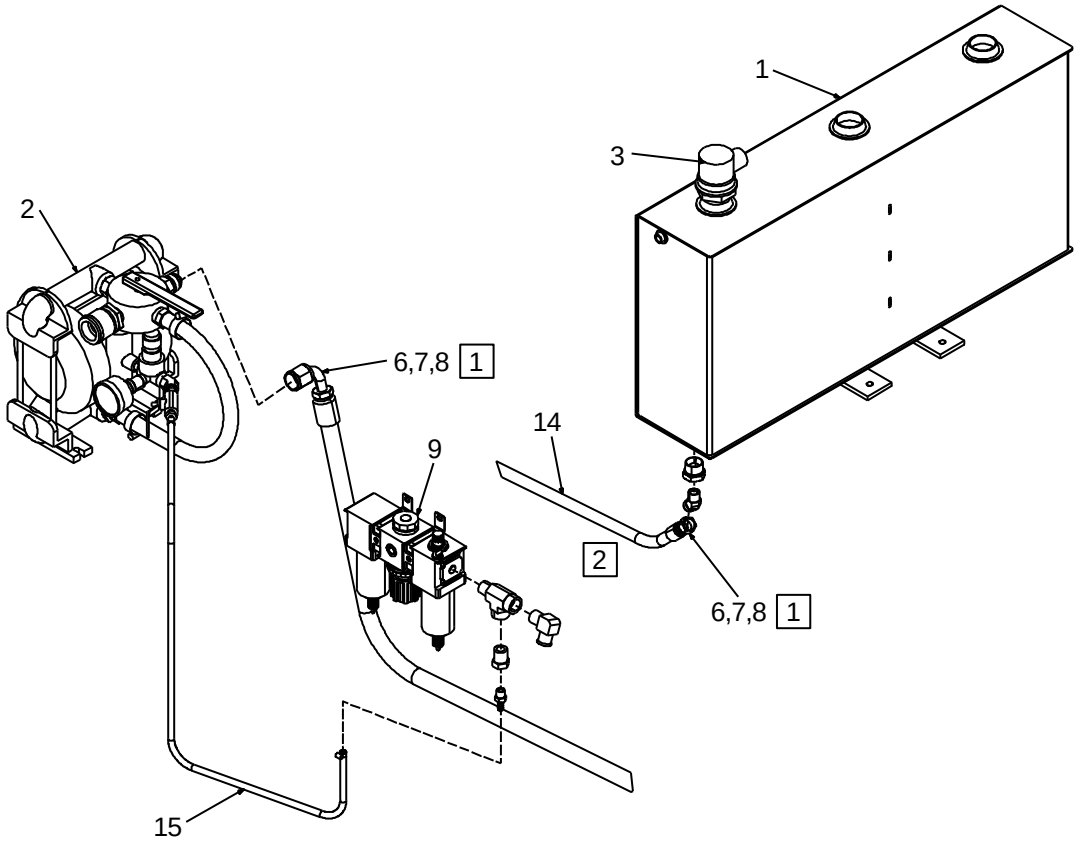
DETAIL A

NOTE:

1 DURING ASSEMBLY, DRILL 3/8" DIAMETER HOLES AS REQUIRED TO MOUNT HEADACHE RACK TO SIDEPACK.

99905361 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	51724470	HEADACHE RACK KIT-DOM STD-STD		REF
2.	51724471	HEADACHE RACK KIT-DOM STD-L/RSD		REF
3.	51724472	HEADACHE RACK KIT-DOM LRSD-RRSD		REF
4.	51718798	HARDWARE KIT-DOM HEADACHE RACK		REF
5.	51724110	HARDWARE KIT- DOM HEADACHE RACK STD-RSD		REF
6.	51724111	HARDWARE KIT- DOM HEADACHE RACK RSD-RSD		REF
7.	52718845	HEADACHE RACK BODY-BOLT ON		1
8.	60139054	BRACKET-HEADACHE RACK		1
9.	60139055	SPACER-HEADACHE RACK		1
10.	76392598	WASHER	BONDED PLTD .31	4
11.	72063002	WASHER	.31 FLAT	12
12.	72060025	CAP SCREW	.31-18X 1.00 HH GR5 Z	8
13.	72062109	NUT	.31-18 HEX NYLOCK	8
NEW 20111216				

Salvage Installation Kit (99905243)

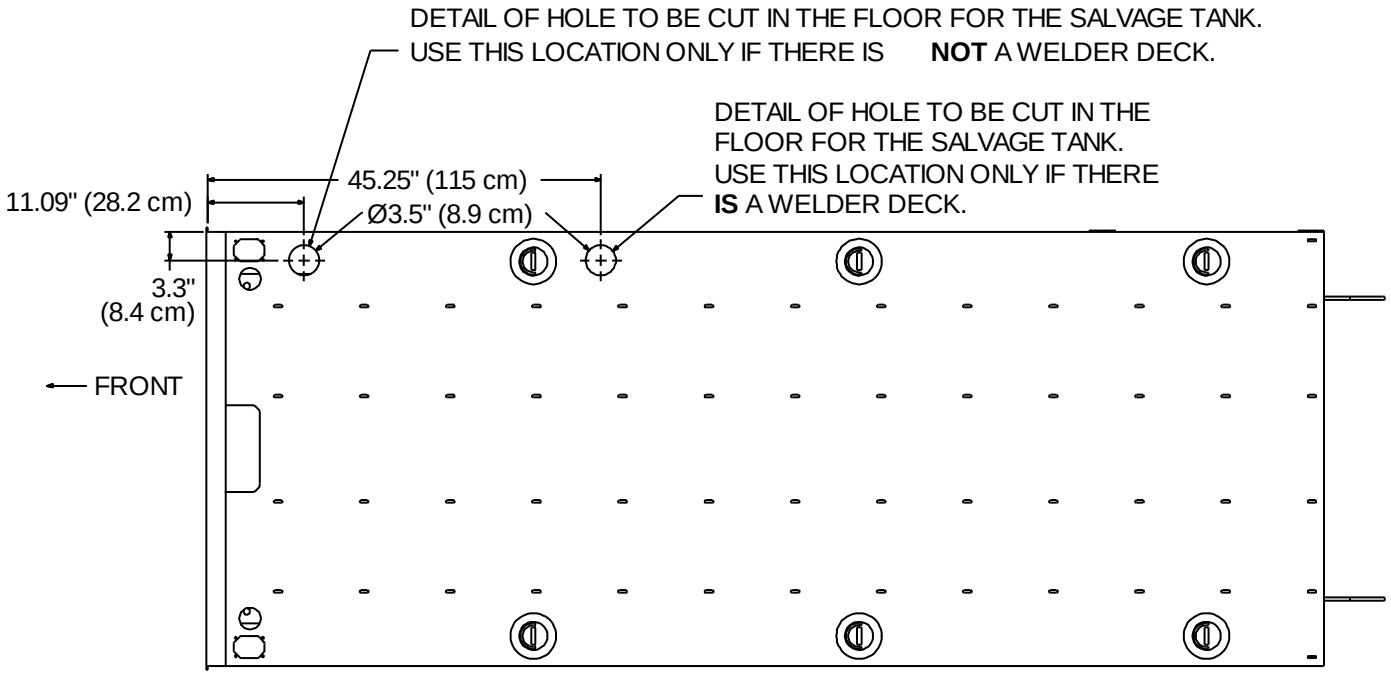


NOTES:

1 SELECT FITTING AS NECESSARY.

2 PLUMB INTO LUBRICATED AIR.

FLOOR DETAIL

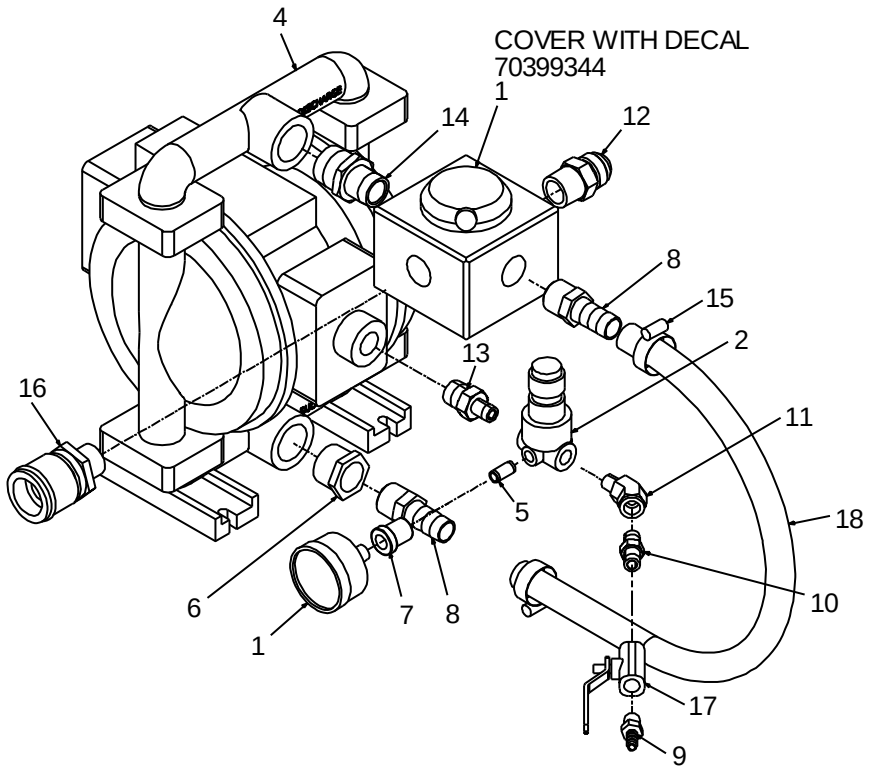

DETAIL OF HOLE TO BE CUT IN THE FLOOR FOR THE SALVAGE TANK.
USE THIS LOCATION ONLY IF THERE IS **NOT** A WELDER DECK.
DETAIL OF HOLE TO BE CUT IN THE FLOOR FOR THE SALVAGE TANK.
USE THIS LOCATION ONLY IF THERE **IS** A WELDER DECK.
45.25" (115 cm)
11.09" (28.2 cm)
Ø3.5" (8.9 cm)
3.3"
(8.4 cm)
FRONT

MATCH DRILL MOUNTING HOLE(S) DURING ASSEMBLY

99905243 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	REF	TANK-WELDMENT		1
2.	REF	PUMP ASSEMBLY		1
3.	72532436	FAST FILL-VENT		1
4.	72531836	REDUCER BUSHING-STEEL	1.25-.75	1
5.	72533054	ELBOW	MPT/45/MJIC .75 12	1
6.	72532976	HOSE FITTING	TYPE F 12 .75 PARK	AS REQ'D
7.	72533378	HOSE FITTING	TYPE J 12 .75 PARK	AS REQ'D
8.	72533445	HOSE FITTING	TYPE Z 12 .75 PARK	AS REQ'D
9.	REF	FILTER-REGULATOR-LUBRICATOR		1
10.	72531991	TEE-STREET STEEL	.50	1
11.	72533592	NIPPLE-BARB BRASS	.50 MPT/90/.75 (PART OF #9)	1
12.	72531830	REDUCER BUSHING-STEEL	.50-.25	1
13.	72053459	NIPPLE-BARB BRASS	.25 MPT .25	1
14.	89393634	HOSE-HYDRAULIC	.75 100R4	AS REQ'D
15.	89392146	HOSE-GP	.25 X 250	AS REQ'D
16.	72066452	CLAMP-HOSE	.25 - .62 SAE	2
REV. A 20110706				

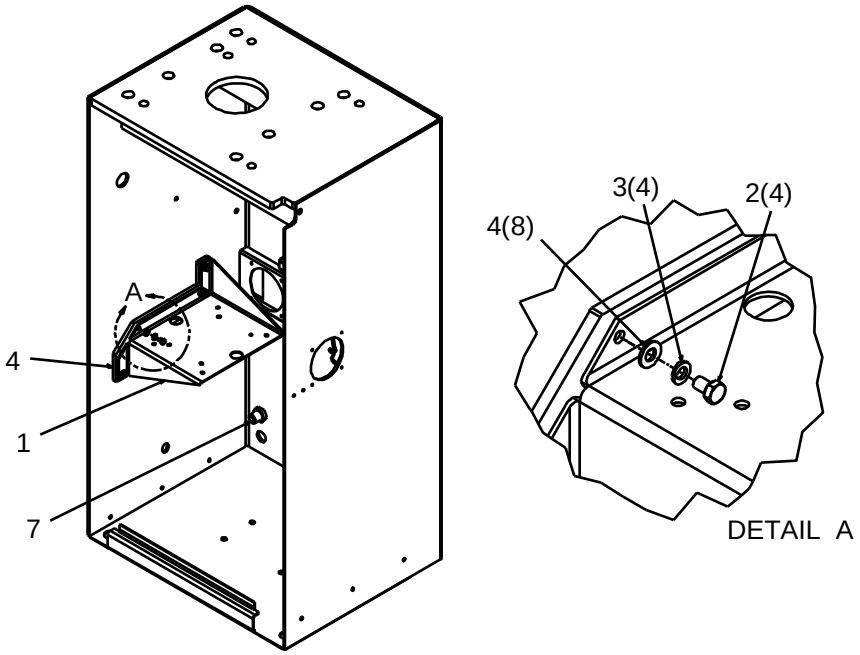
SIZE	TANK WELDMENT	PUMP ASSEMBLY	SALVAGE KIT #	INSTALLATION KIT #
35 GALLON TOP DECK WITH WELDER	52724128	51721592	51724207	51713779
60 GALLON TOP DECK WITH WELDER	52724130	51721592	51724208	51713779
35 GALLON TOP DECK WITHOUT WELDER	52724128	51721592	51724209	51713779
60 GALLON TOP DECK WITHOUT WELDER	52724130	51721592	51724210	51713779

Salvage Pump Assembly (51721592)



51721592 PARTS LIST				
ITEM	PART #	DESCRIPTION		QUANTITY
1.	70048015	GAUGE-AIR PRESSURE		1
2.	70048059	REGULATOR-AIR FIXED		1
3.	70732360	VALVE-4WAY		1
4.	70734343	PUMP-DIAPHRAGM	1.00in	1
5.	72053000	NIPPLE-PIPE BLACK	.12X CLOSE	1
6.	72053376	REDUCER BUSHING	BLACK 1.00- .75	1
7.	72053431	COUPLING-REDUCER	BLACK .25 - .12	1
8.	72053458	NIPPLE-BARB BRASS	.75MPT .75	2
9.	72053459	NIPPLE-BARB BRASS	.25MPT .25	1
10.	72053517	ADAPTER	MPT/HEX/MPT .25 .25	1
11.	72053533	ELBOW-STREET	STEEL .25 X 45 DEG	1
12.	72053676	ADAPTER	MPT/M JIC .75 12	1
13.	72053724	ADAPTER	MPT/HEX/MPT .50 .25	1
14.	72053727	ADAPTER	MPT/HEX/MPT 1.00 .75	1
15.	72066000	CLAMP-HOSE	.50-1.25 SAE 12	2
16.	72532421	FAST FILL-SOCKET		1
17.	73054122	VALVE-BALL	.25	1
18.	89393634	HOSE-HYDRAULIC	.75 100R4	1
REV. B 20120502				

Salvage Pump Installation (51713779)



NOTES (SEE REFERENCE NUMBER IN BOX):

1 DOMINATOR II CRANE BOX INSTALLATION SHOWN. DOMINATOR I IS IDENTICAL.

2 WHEN INSTALLING THE PUMP SHELF IN THE LEFT HAND REAR COMPARTMENT, USE ITEMS #6 AND #7 FOR MOUNTING HARDWARE.

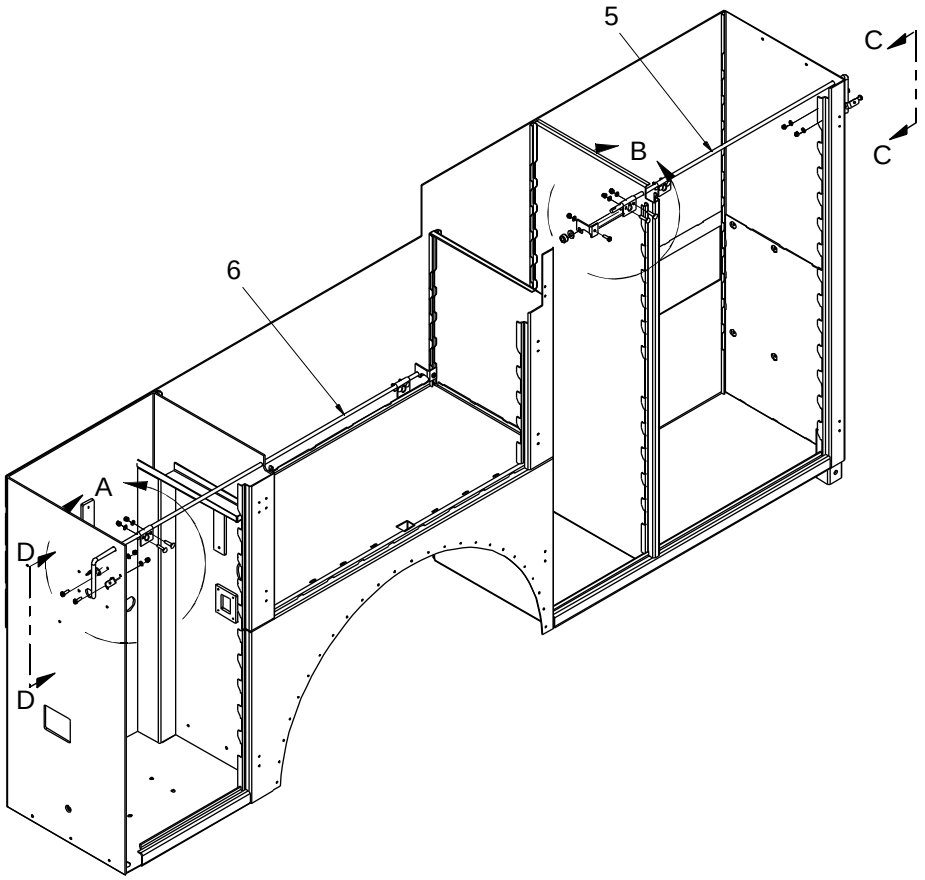
3 THE SALVAGE PUMP MUST BE INSTALLED AFTER THE CRANE AND DRIP TRAY ARE IN PLACE.

4 BULKHEAD NUT TO THE OUTSIDE OF THE COMPARTMENT.

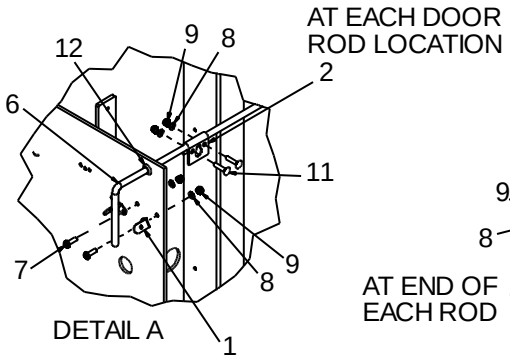
5 USE RED LOCKTITE WHEN INSTALLING THE NUT WHICH IS PART OF #8, UNION.

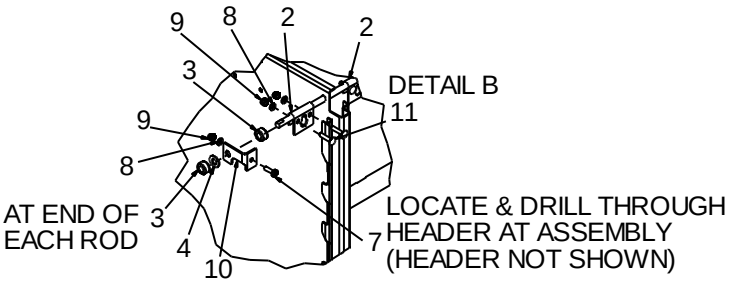
51713779 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60120572	BRACKET-SHELF SALVAGE (RIGHT REAR) FOR PUMP	1
2.	72060021	CAP SCREW .31-18 X .50 HHGR5Z	4
3.	72063050	WASHER .31 LOCK	4
5.	72063002	WASHER .31 FLAT	8
6.	72060027	CAP SCREW .31-18 X 1.50 HHGR5Z (NOT SHOWN)	4
7.	72062109	NUT .31-18 HEX NYLOC (NOT SHOWN)	4
8.	72533371	UNION-BULKHEAD JIC 12	1
REV C 20120523			

Master Lock System Drawing (99903665)

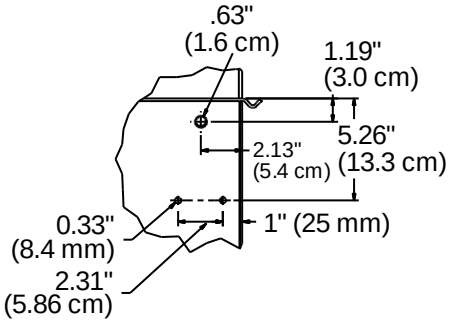


MASTER LOCK SYSTEM DETAILS



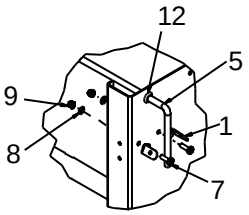


AT END OF EACH ROD &
AT CENTER OF SPANS
OF 40" (102 cm) OR LONGER



DETAIL D

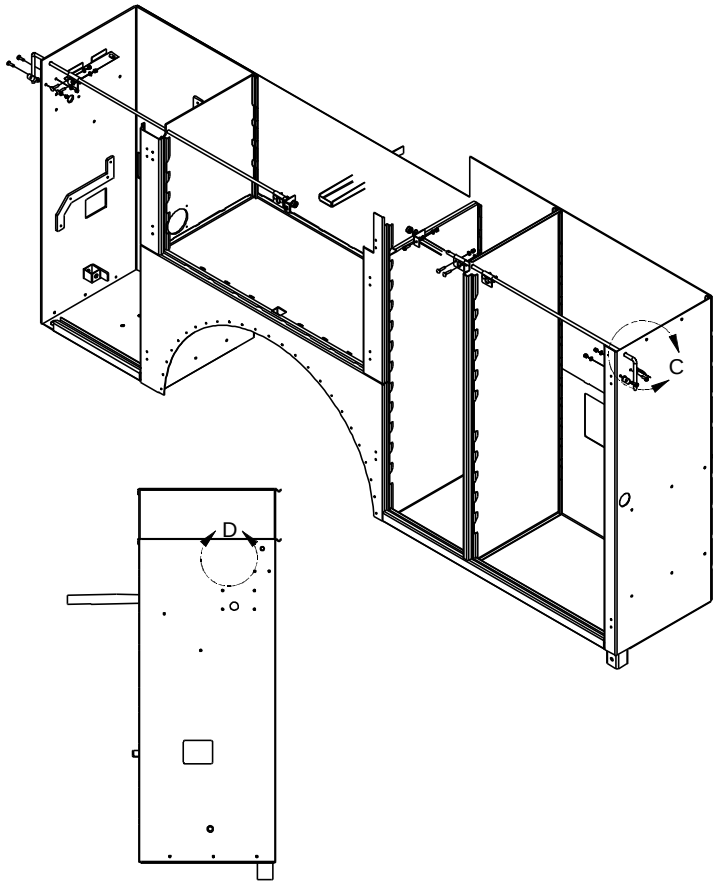
DRILL HOLES IN SIDEPACK
THROUGH ONE WALL ONLY.
MIRROR AS NECESSARY FOR
FRONT END OR LEFT SIDEPACK.



DETAIL C

SEE DETAIL "D" FOR
DRILLING INSTRUCTIONS.

MASTER LOCK SYSTEM INSTALLATION



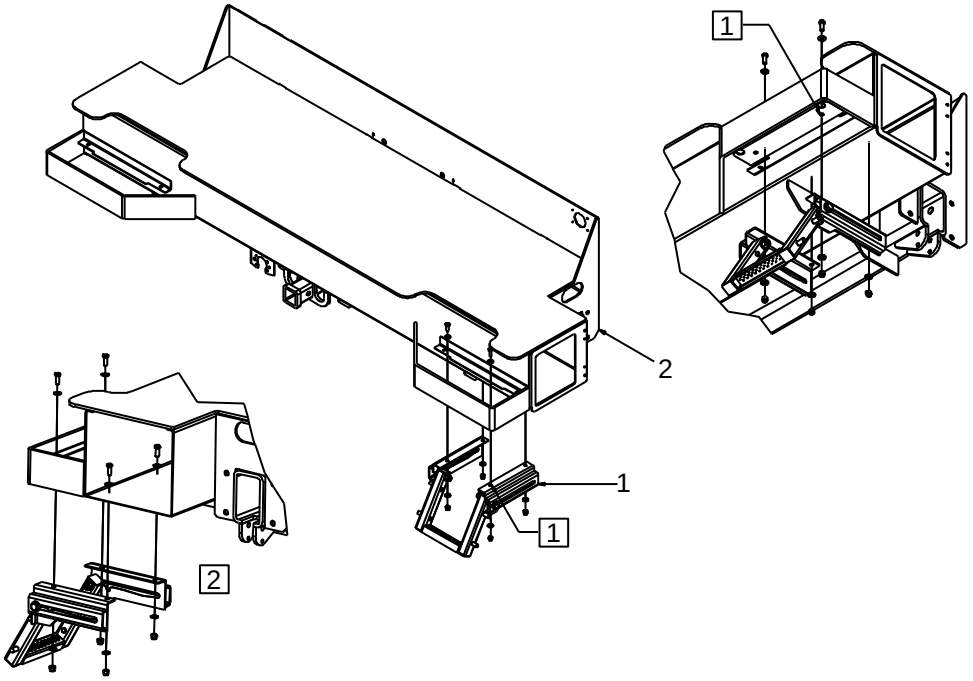
99903665 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60138970	BRACKET-PADLOCK MASTER LOCK	A/R
2.	60117216	BRACKET-ROD STOP 2.00 M LOCK	A/R
3.	70143654	COLLAR-SHAFT 2 PIECE 1/2 in.	A/R
4.	72063205	WASHER-SS .50 FLAT TYPE 304	A/R
5.	FRONT	ROD-MASTER LOCK	A/R
6.	REAR	ROD-MASTER LOCK	A/R
7.	72601590	CAP SCREW-STAINLESS STEEL .31-18X1.00 TRH PHH	A/R
8.	72063001	WASHER .25 FLAT (WAS 72063166, 72063152)	A/R
9.	72062109	NUT-.31-18 HEX NYLOC (WAS 72062167)	A/R
10.	60117214	BRACKET-ROD HANGER	A/R
11.	72601435	CARRIAGE BOLT-.31-18X 1.25 SQNK GR2 (WAS 72601847)	A/R
12.	70034277	GROMMET	A/R
REV. G 20120123			

Dominator I Master Lock Kits

MASTER LOCK KIT #	BODY DESCRIPTION
51719925	9-FOOT DOMINATOR WITH RIGHT AND LEFT STANDARD
51719926	9-FOOT DOMINATOR WITH RIGHT-FRONT RAISED, LEFT STANDARD
51719620	11-FOOT DOMINATOR WITH RIGHT-FRONT RAISED, LEFT STANDARD
51719621	11-FOOT DOMINATOR WITH RIGHT AND LEFT STANDARD
51719622	11-FOOT DOMINATOR WITH RIGHT FRONT AND LEFT FRONT RAISED

		QUANTITY				
	KIT #	51719925	51719926	51719620	51719621	51719622
PART #	DESCRIPTION					
99903665	DRAWING, INSTALLATION	1	1	1	1	1
60121632	ROD- 106X6			1	2	
70143654	COLLAR-SHAFT 2 PIECE	4	6	6	4	8
60138970	BRACKET-PADLOCK	2	3	3	2	4
60117216	BRACKET-ROD STOP	6	6	8	4	4
60117214	BRACKET-ROD HANGER	2	2	2	2	2
60129606	ROD- 37 X 6		1			
60121633	ROD- 43 X 6			1		2
60127755	ROD- 60 X 6		1	1		2
60117222	ROD- 95 X 6	2	1			
51719682	11' HARDWARE KIT			1	1	1
51719928	9' HARDWARE KIT	1	1			

Ladder Installation (99905129)



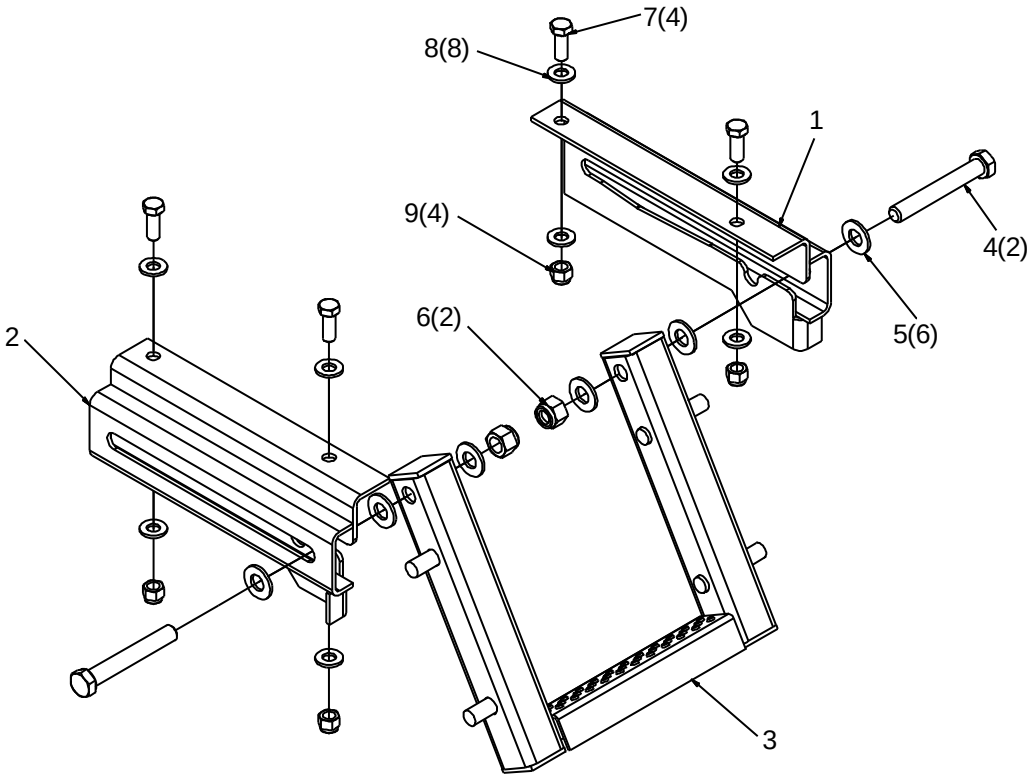
NOTES (SEE REFERENCE NUMBER IN BOX):

1 ALIGN HOLE IN STEP BRACKET WITH OUTSIDE HOLE IN REAR STEP CHANNEL.

2 STEP BUMPER END CAP REMOVED FROM THIS VIEW FOR CLARITY.

99905129 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	52723864	LADDER ASSEMBLY		1
2.	99905039	DRAWING, REAR STEP BUMPER WELDMENT		1
20110706				

Ladder Assembly (52723864)



NOTES:

1 HARDWARE IS CONTAINED IN KIT 51723865.

52723864 PARTS LIST				
ITEM	PART #	DESCRIPTION	DETAILS	QUANTITY
1.	52723863	RIGHT HAND STEP BRACKET		1
2.	52723862	LEFT HAND STEP BRACKET		1
3.	52723861	LADDER WELDMENT		1
4.	72060921	CAP SCREW	.50-13 X 3.75 HHGR5Z	2
5.	72063005	WASHER	.50 FLAT	6
6.	72062080	NUT	.50-13 HEX NYLOCK	2
7.	72060046	CAP SCREW	.38-16 X 1.00 HHGR5Z	4
8.	72063003	WASHER	.38 FLAT	8
9.	72062103	NUT	.38-16 HEX NYLOCK	4
REV A 20110706				

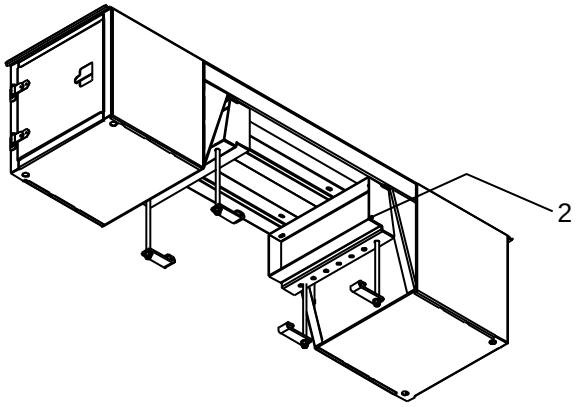
CHAPTER 14

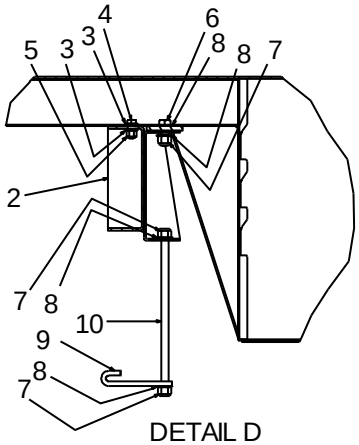
Welder Platforms

In This Chapter

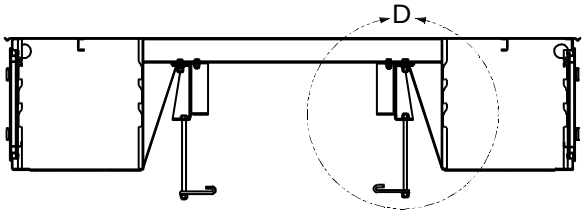
Installation Kit, Dominator I & DSC20 (Kit 51720049/Dwg 99903912) 179
Welder Deck, 24" Long with 2 Underbody Toolboxes (51720055) 181
Welder Deck, 35" Long with 2 Underbody Toolboxes (51720057) 182
Welder Deck, 36" Long with Flat Deck (51720059) 182
Welder Deck, 24" Long with Tall Compartment (51719952) 183
Welder Deck, 35" Long with Curbside Tall Compartment (51720061) 185
Welder Deck, 35" Long with Streetside Tall Compartment (51720063) 186

Installation Kit, Dominator I & DSC20 (Kit 51720049/Dwg 99903912)





DETAIL D



SECTION C-C

NOTE:

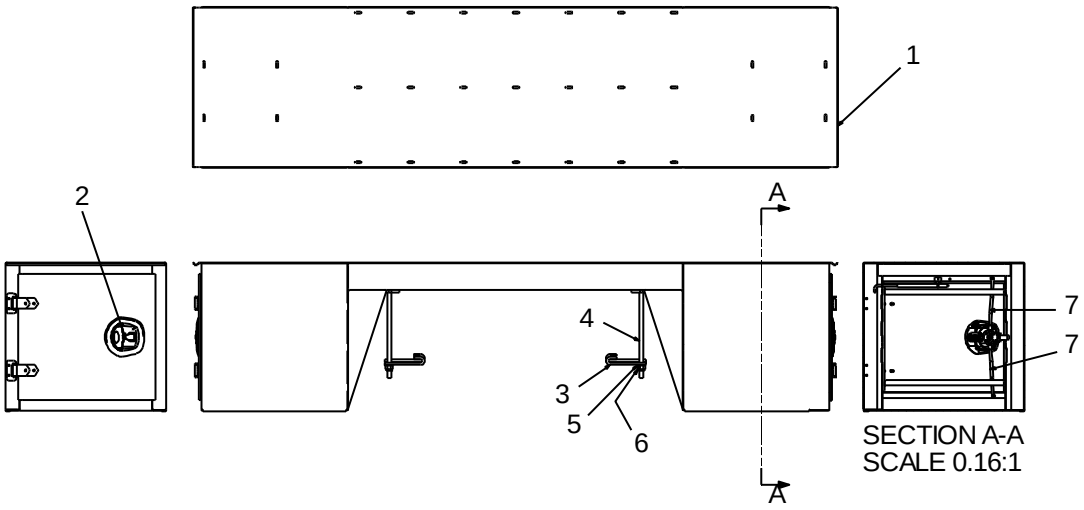
1 24" DECK SHOWN; 36" INSTALLATION IS SIMILAR.

2 HARDWARE USED TO FASTEN UPPER PART OF BRACKET IS PART OF KIT 51720051.

3 ITEMS SHOWN ARE INCLUDED WITH A STANDARD BASE WELDER DECK ASSEMBLY.

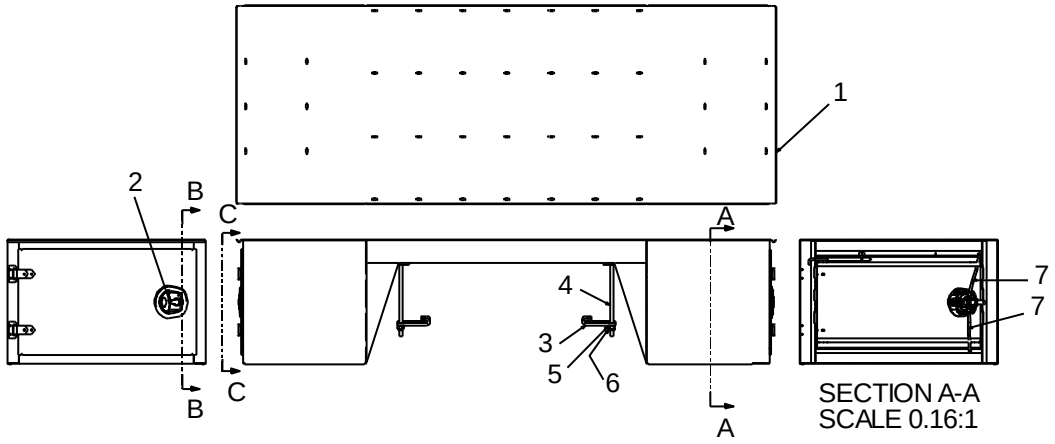
51720049 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
2.	52720050	BRACKET-MTG WELDER DECK D1 (II)	2
3.	72063005	WASHER .50 FLAT	8
4.	72060092	CAP SCR .50-13X 1.25 HH GR5 Z	4
5.	72062080	NUT .50-13 HEX NYLOCK	4
6.	72060150	CAP SCR .62-11X 1.75 HH GR5 Z	4
7.	72062091	NUT .62-11 HEX NYLOCK	12
8.	72063007	WASHER .62 FLAT	16
9.	60108981	TIE DOWN-BODY 4.00 FRAME	4
10.	60109048	ROD-THREADED .62-11 X 14.00	4

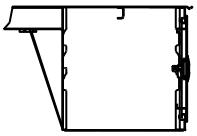
Welder Deck, 24" Long with 2 Underbody Toolboxes (51720055)



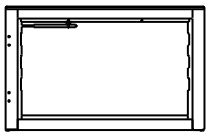
51720055 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720056	WELDER DECK-WLDMT 35in L UBT-R UBT	1
2.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
3.	60108981	TIE DOWN-BODY 4.00 FRAME	4
4.	60109048	ROD-THREADED .62-11 X 14.00	4
5.	72063007	WASHER .62 FLAT	8
6.	72062091	NUT .62-11 HEX NYLOCK	8
7.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	4
NEW 20070302			

Welder Deck, 35" Long with 2 Underbody Toolboxes (51720057)





VIEW:
INSIDE
UBTB



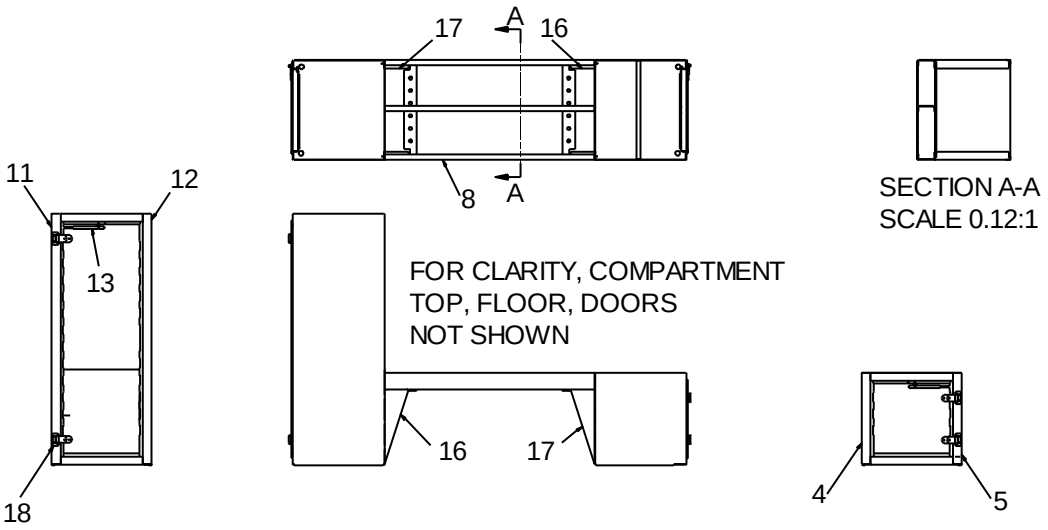
VIEW C-C
SCALE 0.16:1

51720057 PART LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720058	WELDER DECK-WLDMT 35in L UBT-R UBT	1
2.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
3.	60108981	TIE DOWN-BODY 4.00 FRAME	4
4.	60109048	ROD-THREADED .62-11 X 14.00	4
5.	72063007	WASHER .62 FLAT	8
6.	72062091	NUT .62-11 HEX NYLOCK	8
7.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	4
NEW 20070302			

Welder Deck, 36" Long with Flat Deck (51720059)

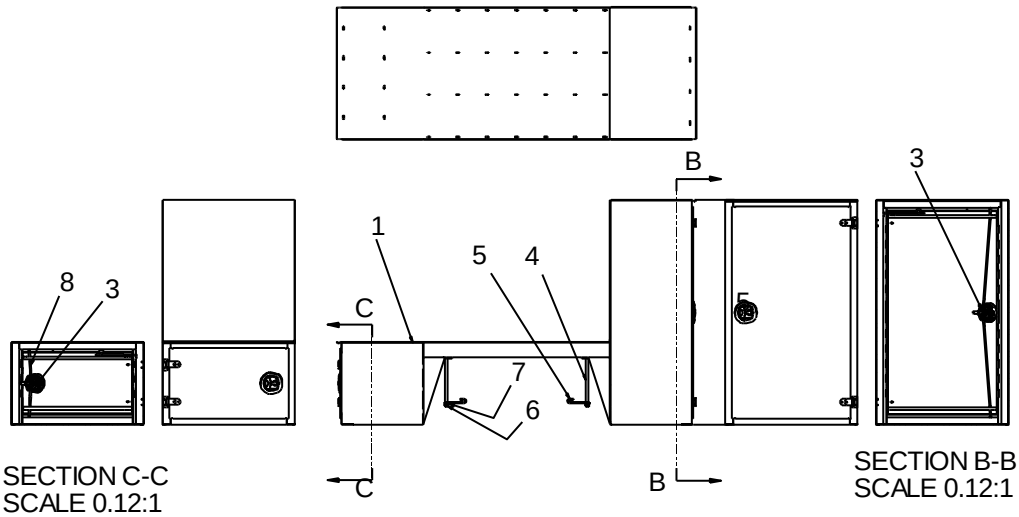
51720059 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044807	HARNESS-LUBE FRONT MARKER LIGHTS	1
2.	51716399	HARDWARE KIT	1
3.	52720060	WELDER DECK, 36" FLAT	1
4.	60108981	TIE DOWN	4
5.	60109048	THREADED ROD, 0.62-11 X 14	4

Welder Deck, 24" Long with Tall Compartment (51719952)



51719952 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
REF	52719953	D(II)-WELDER DECK-W D2 24in L RSD-R UBT	INCL 4-28
4.	60128310	PANEL WELDER DECK UBTB RF #2	1
5.	60128312	PANEL WELDER DECK UBTB RF #1	1
8.	60128315	CHANNEL-FORM 1.24X 4.00X 50.00	3
11.	60128317	PANEL-WELDERDECK LF 60H #1	1
12.	60128318	PANEL-WELDERDECK LF 60H #2	1
13.	70144288	DOOR STOP-SELF CLOSING SPRING	2
16.	60116990	GUSSET-FRONT PANEL RH BTTM D2	2
17.	60117060	GUSSET-FRONT PANEL LH BTTM D2	2
18.	72661383	HINGE-SS 10GA BUTT W/IMT LOGO OFFSET	4
20.	60129361	BACK-BTM WELDER DECK RF D2 24in	1
21.	60129358	SDPK HEADER WELDER DECK 19.62	2
22.	60129362	CHANNEL-FORM 1.00X 2.00X 23.62	1
23.	60129360	MTG BAR-WLDR DECK 24in W D(II) 2	2
24.	60129357	BACK-BTM WELDER DECK LF D2 24in	1
25.	60129356	TOP WELDER DECK CARGO FLOOR UBTB-VERT COMPT 24in	1
26.	60129359	TOP-WELDER DECK RSD COMPT D2 24in	1
27.	52719954	DOOR-WLDMT HEM D(II) 18.88H X 20.50W (40	1
28.	52719092	DOOR-WLDMT HEM D(II) 56.88H X 20.50W (40	1
NEW 20070302			

Welder Deck, 35" Long with Curbside Tall Compartment (51720061)

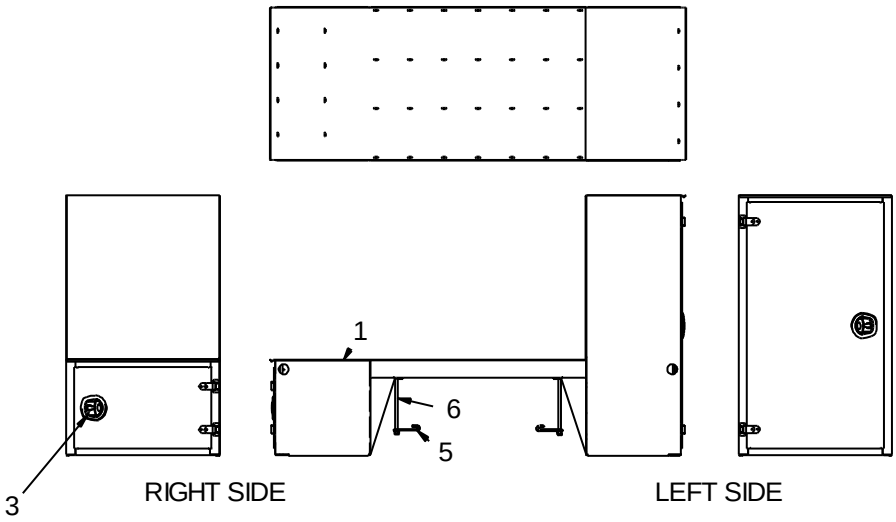


SECTION C-C
SCALE 0.12:1

SECTION B-B
SCALE 0.12:1

51720061 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720062	WELDER DECK-WLDMT 35in L UBTB-R RSD	1
3.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
4.	60109048	ROD-THREADED .62-11 X 14.00	4
5.	60108981	TIE DOWN-BODY 4.00 FRAME	4
6.	72062091	NUT .62-11 HEX NYLOCK	8
7.	72063007	WASHER .62 FLAT	8
8.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	2
10.	60130297	ROD-DOOR 27.12 LG W/.75" OFFSET	2
REV. A 20070302			

Welder Deck, 35" Long with Streetside Tall Compartment (51720063)



ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720064	WELDER DECK-WLDMT 35in L RSD-R UBT	1
3.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
5.	60108981	TIE DOWN-BODY 4.00 FRAME	4
6.	60109048	ROD-THREADED .62-11 X 14.00	4
7.	72062091	NUT .62-11 HEX NYLOCK	8
8.	72063007	WASHER .62 FLAT	8
9.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	2
10.	60130297	ROD-DOOR 27.12 LG W/.75" OFFSET	2

CHAPTER 15

Dominator Decal Examples & Placement

In This Chapter

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Decal List

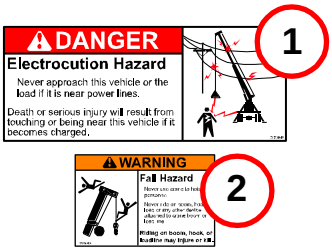
Dominator I, II, III, and IV have many common and some unique decals. See the chart below and the decal application photos on subsequent pages for application details.

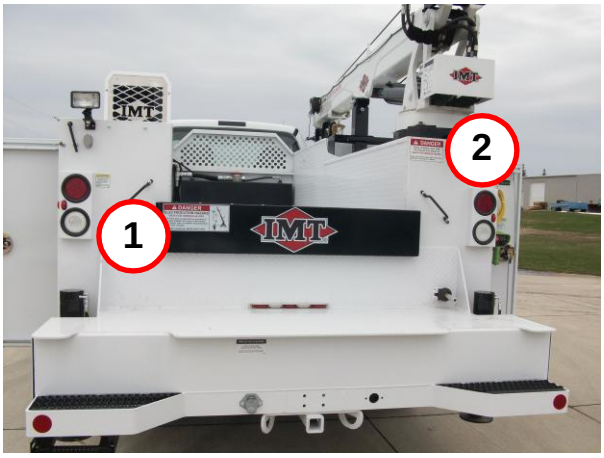
ITEM	DECAL PART #	DESCRIPTION	QTY PER BODY	MODEL	NOTES
1.	95724102	DOMINATOR DECAL KIT	1	ALL	INCLUDES ITEMS 2-13
2.	70392213	DECAL-CAUTION DONT WASH/WAX	1	ALL	
3.	70392309	DECAL-DIESEL FUEL ONLY	2	ALL	FOR DIESEL ENGINES ONLY
4.	70392982	DECAL-SERVICE & REPAIR(GARNER)	1	ALL	FOR GASOLINE ENGINES ONLY
5.	70392453	DECAL-UNLEADED GASOLINE ONLY	2	ALL	
6.	71393886	DECAL-DANGER EXPLODING TANK	1	ALL	
7.	70391601	DECAL-AIR TANK DRAIN	1	ALL	
8.	70398983	DECAL-CAUTION, WELDING DAMAGE	1	ALL	BY LIGHT BOX ON REAR OF VEHICLE
9.	70399138	DECAL-DOMINATOR IDENT (III)	2	ALL	
10.	70399191	DECAL-WARNING, NO STEP	3	ALL	
11.	70399192	DECAL-WARNING, SLIP	2	ALL	
12.	70399193	DECAL-DANGER, HYD FLUID	1	ALL	
13.	70399141	DECAL-DIAMOND IMT 9.25X18.50 REFL	1	ALL	
14.	70399114	DECAL-ELECTRICAL PANEL LAYOUT	1	DOM I-II	
15.	70399115	DECAL-ELECTRICAL PANEL LAYOUT	1	DOM III-IV	
16.	70398872	DECAL-STABILIZER MAN OP,SOFT SHIFT (DI-II)	1	DOM I-II	
17.	70398873	DECAL-STABILIZER MANUAL OP D4 SOFT SHIFT	1	DOM III-IV	
18.	70397063	DECAL-HITCH, RECEIVER 2000V-16000P	1	DOM I, II	
19.	70397064	DECAL-HITCH, PINTLE 6000V-30000P	1	DOM II, III & IV	
20.	70399271	DECAL-STABILIZER FULLY DEPLOYED	3	ALL	ON STABILIZER ARMS WHEN FULLY DEPLOYED.

IMT Diamond and Logo Placement

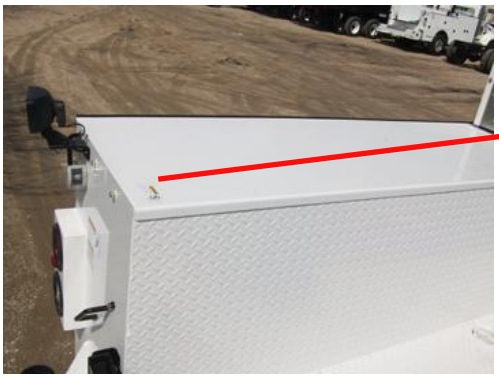
Place the Dominator ID decal (70399138), item #1, on each side of the vehicle. Place IMT diamond (70399141), item #2, on the tailgate.

Body Safety Decal Placement


DANGER
Electrocution Hazard
Never approach this vehicle or the load if it is near power lines.
Death or serious injury will result from touching or being near this vehicle if it becomes charged.
1
WARNING
Fall Hazard
2



Both item #1 - 70394445, and item #2 - 70392868, are applied on all four sides of the carrier vehicle, so the operator can see the dangers regarding electrocution and the crane loadline from any point of crane operation.



WARNING
No Step
Railings NOT provided.
Surface may be slippery - NOT intended for stepping, standing or walking.
Falls may injure or kill.

70399191- Warning-No Step On both sidepacks.

Item # 3-70399192- is the warning decal regarding climbing safely on and off the body. One 70399192 is placed by the light box on each side of the Dominator. Item #4 - 70398983 - is the welding damage caution decal located next to the left side light box.

Dominator Control Decal Placement

1	70399114	Decal-Dominator Electrical Panel (Dom I-II) (Dom III-IV uses 70399115)

Crane Safety Decals on Dominator Door

70396613
Operator
Crane Safety

Capacity Chart
per model

Stabilizer valvebank
manual override instructions
(70398872 - Dom I - II)
(70398873 - Dom III - IV)

72042097 Level

Compressor warnings
(70396162-70396163-
70396164)

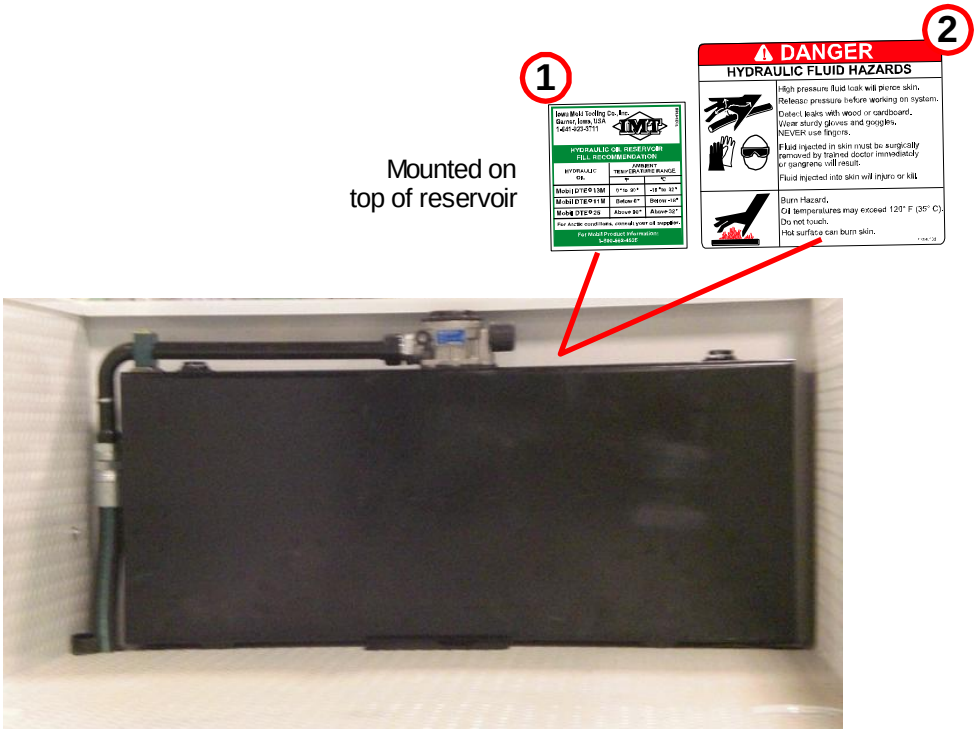
70392892-
Contact IMT

71039134-
Caution check oil

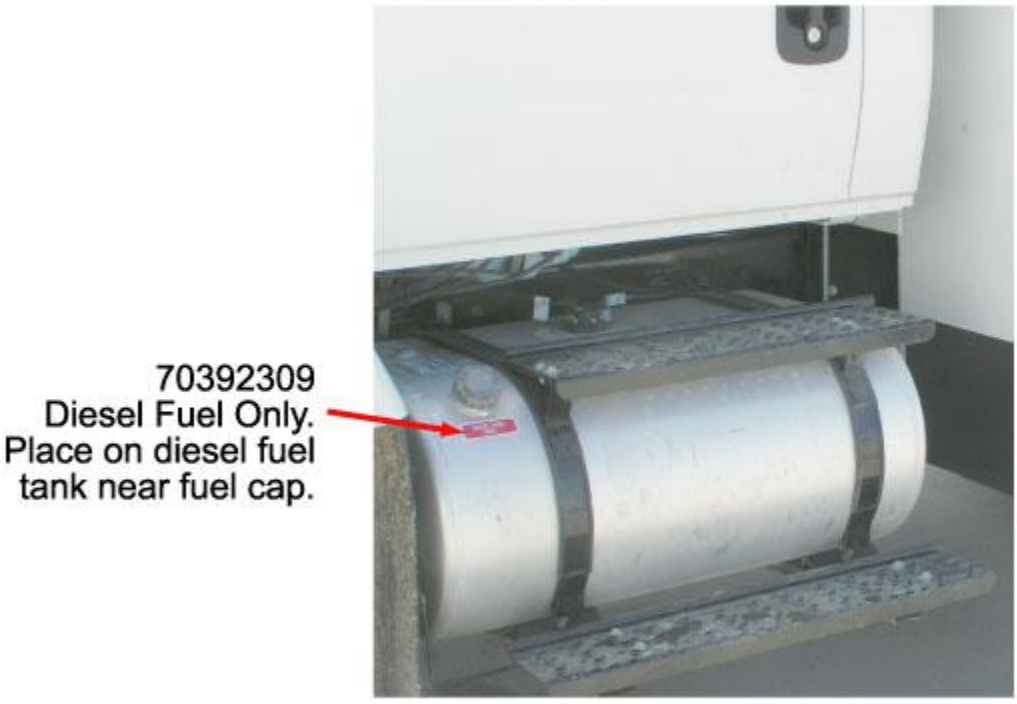
70392213-
Caution wash/wax

Hydraulic Oil Reservoir Decals

Place 70399193-Decal-Danger, Hydraulic Fluid and 70394189, Decal-Mobil Oil Recommendations, on top of the hydraulic tank and on the right side of the fill cap. Decals must be legible from inside the load bed.



Fuel Tank Decal Placement



Note: If unleaded gas fuel tank, use decal part number 70392453.

Air Tank Decal Placement

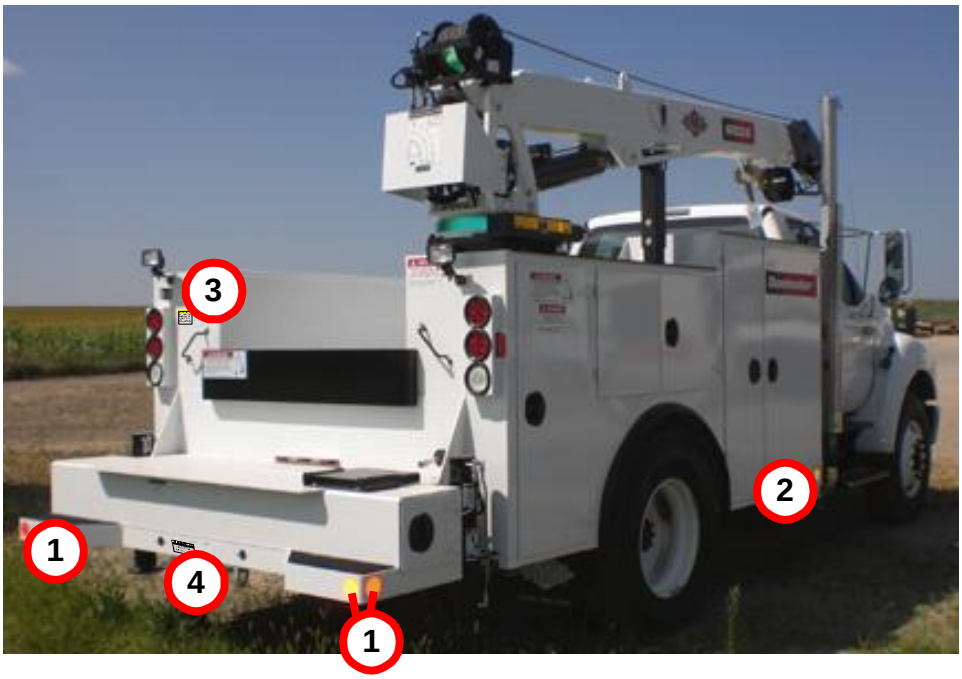
70391601-Air tank drain, located on door where air tank is stored.

71393886-Exploding tank tank decal, located on door where air tank is stored.

Stabilizer Decal Placement

1	70391598	Decal-Warning, Manual Stabilizers. Place on each rear stabilizer.
2	70392864	Decal - Warning, Stabilizer Crushing Hazard. Placed on rear stabilizers as shown, and on front sidepacks.

Reflector & Hitch Decal Placement



Place four red reflector decals, 70039057, item #1, at the sides and outer edges of the tailgate as shown.

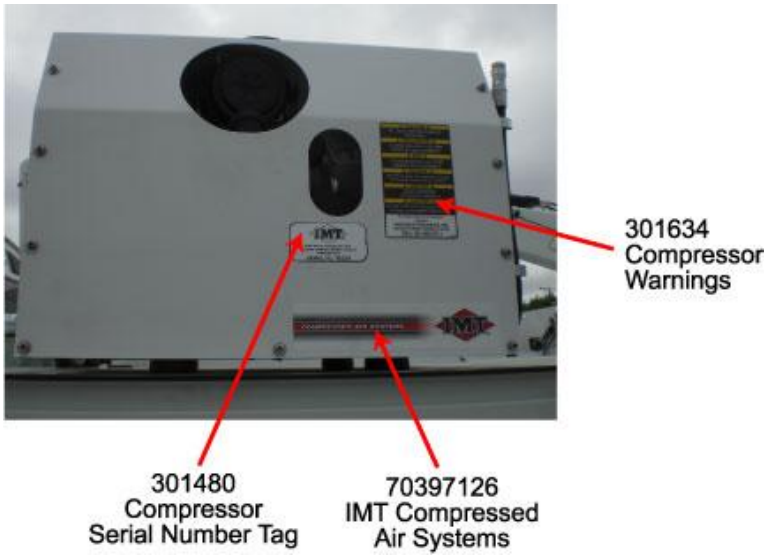
Place two amber reflector decals, 70039058, item #2, at the front of the sidepacks as shown.

Place the welding caution decal, 70398983, item #3, on the side of the light box at the left rear of the body.

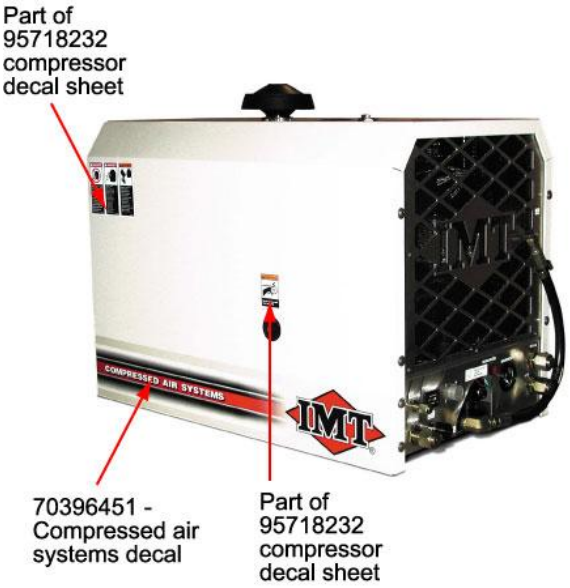
Place a hitch decal, item #4, above the hitch on the rear of the body. Typically, Dominator I, II and DSC use 70397063 - Receiver Hitch, 2000 lb tongue and 16,000 lb gross trailer weight. Typically, Dominator II and IV use 70397064 - Pintle Hitch, 6000 lb tongue and 30,000 lb gross trailer weight.

Compressor Decal Placement

Decal placement on a CAS435HA compressor:



Decal placement on a CAS3560 compressor:



Note: All decals for the CAS3560 air compressor are included on decal sheet 95718232. See the CAS3560 manual for complete decal placement information.

Thread Torque Charts

FINE THREAD BOLTS (ENGLISH)					
SIZE	BOLT DIA.	GRADE 5 SAE J429 GRADE 5		GRADE 8 SAE J429 GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-24	0.3125	19	14	27	20
3/8-24	0.375	35	26	49	35
7/16-20	0.4375	55	41	78	58
1/2-20	0.5	90	64	120	90
9/16-18	0.5625	120	90	170	130
5/8-18	0.625	170	130	240	180
3/4-16	0.75	300	225	420	315
7/8-11	0.875	445	325	670	500
1-12	1	645	485	995	745
1 1/8-12	1.125	890	670	1445	1085
1 1/4-12	1.25	1240	930	2010	1510
1 3/8-12	1.375	1675	1255	2710	2035
1 1/2-12	1.5	2195	1645	3560	2670

COARSE THREAD BOLTS (ENGLISH)					
SIZE	BOLT DIA.	GRADE 5 SAE J429 GRADE 5		GRADE 8 SAE J429 GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-18	0.3125	17	13	25	18
3/8-16	0.375	31	23	44	33
7/16-14	0.4375	49	37	70	52
1/2-13	0.5	75	57	105	80
9/16-12	0.5625	110	82	155	115
5/8-11	0.625	150	115	220	160
3/4-10	0.75	265	200	375	280
7/8-9	0.875	395	295	605	455
1-8	1	590	445	910	680
1 1/8-7	1.125	795	595	1290	965
1 1/4-7	1.25	1120	840	1815	1360
1 3/8-6	1.375	1470	1100	2380	1780
1 1/2-6	1.5	1950	1460	3160	2370

NOTES

1 Tightening torques provided are midrange.

2 Consult bolt manufacturer's particular specifications, when provided.

3 Use flat washers of equal strength.

4 All torque measurements are given in foot-pounds.

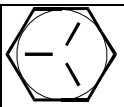
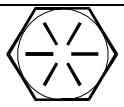
5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphide, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.

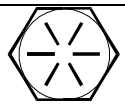
FINE THREAD TORQUE CHART (METRIC)

TIGHTENING TORQUE

SIZE (DIA-TPI)	BOLT DIA. (INCHES)	 SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-24	0.3125	3	2	4	3
3/8-24	0.375	5	4	7	5
7/16-20	0.4375	8	6	11	8
1/2-20	0.5	12	9	17	12
9/16-18	0.5625	17	12	24	18
5/8-18	0.625	24	18	33	25
3/4-16	0.75	41	31	58	44
7/8-11	0.875	62	45	93	69
1-12	1	89	67	138	103
1 1/8-12	1.125	123	93	200	150
1 1/4-12	1.25	171	129	278	209
1 3/8-12	1.375	232	174	375	281
1 1/2-12	1.5	304	228	492	369

COARSE THREAD TORQUE CHART (METRIC)

TIGHTENING TORQUE

SIZE (DIA-TPI)	BOLT DIA (INCHES)	SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-18	0.3125	2	2	3	2
3/8-16	0.375	4	3	6	5
7/16-14	0.4375	7	5	10	7
1/2-13	0.5	10	8	15	11
9/16-12	0.5625	15	11	21	16
5/8-11	0.625	21	16	30	22
3/4-10	0.75	37	28	52	39
7/8-9	0.875	55	41	84	63
1-8	1	82	62	126	94
1 1/8-7	1.125	110	82	178	133
1 1/4-7	1.25	155	116	251	188
1 3/8-6	1.375	203	152	329	246
1 1/2-6	1.5	270	210	438	328

NOTES

1 Tightening torques provided are midrange.

2 Consult bolt manufacturer's particular specifications, when provided.

3 Use flat washers of equal strength.

4 All torque measurements are given in kilogram-meters.

5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphide, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.